

JVC

SERVICE MANUAL

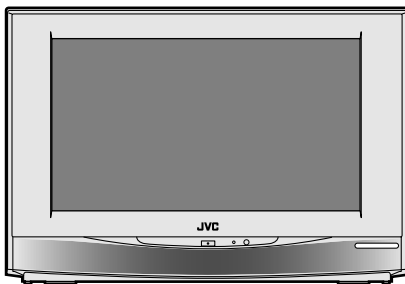
COLOUR TELEVISION

**AV-28H5BU, AV-28H5BL, AV-28H5SK,
AV-28H5SL, AV28H5SR, AV-28H5SU,
AV-28H50SU, AV-32H5BU, AV-32H5SK,
AV-32H5SR, AV-32H5SU, AV-32H50SU,
AV-32H57SU**

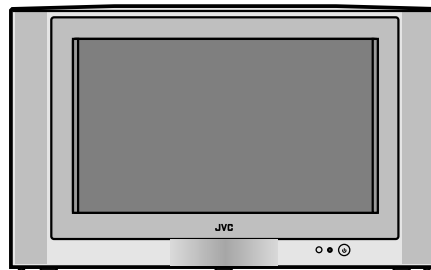
BASIC CHASSIS

ML3

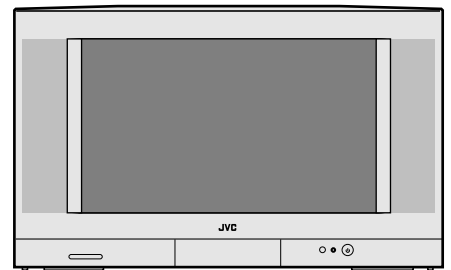
T-V LINK



AV-28H5BU, AV-28H5BL
AV-28H5SK, AV-28H5SL
AV-28H5SR, AV-28H5SU
AV-32H5BU, AV-32H5SK
AV-32H5SR, AV-32H5SU



AV-28H50SU, AV-32H50SU



AV-32H57SU

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SPECIFICATION

| Items | | Contents | | |
|--|----------------------|--|-----------------------------|--|
| | | AV-28H5BU AV-28H5BL AV-28H5SU AV-28H5SL | AV-28H50SU | AV-28H5SK AV-28H5SR |
| Dimensions (W × H × D) | | 76.2 cm × 52.8 cm × 49.2 cm | 85.4 cm × 50.8 cm × 49.0 cm | 76.2 cm × 52.8 cm × 49.2 cm |
| Mass | | 38.0 kg | 39.0 kg | 38.0 kg |
| TV RF System | | CCIR (B/G, I, D/K, L) | | CCIR (I) |
| Colour System | | PAL SECAM NTSC3.58 / NTSC4.43 (Only EXT mode) | | PAL NTSC3.58 / NTSC4.43 (Only EXT mode) |
| Stereo System | | A2 (B/G, D/K) NICAM (B/G, I, D/K, L) | | NICAM (I) |
| Receiving Frequency | VHF | 47 MHz - 470 MHz [Except AV-28H5SK] | | |
| | UHF | 470 MHz - 862 MHz | | |
| | French CATV | 116 MHz - 172 MHz 220 MHz - 469 MHz | | --- |
| Intermediate Frequency | VIF | 38.9 MHz (B/G, I, D/K, L) | | 38.9 MHz (I) |
| | SIF | 33.4 MHz (5.5 MHz :B/G) 32.9 MHz (6.0 MHz:I) 32.4 MHz (6.5 MHz :L, D/K) | | 32.9 MHz (6.0 MHz:I) |
| | | | | |
| Colour Sub Carrier Frequency | PAL | 4.43 MHz | | |
| | SECAM | 4.40625 MHz / 4.25 MHz | | --- |
| | NTSC | 3.58 MHz / 4.43 MHz | | |
| Teletext System | | TOP (German system) FLOF (Fastext) WST (Standard system) | | |
| Power Input | | AC220 V - AC240 V, 50 Hz | | |
| Power Consumption | | 120 W, Standby : 0.6 W | 120 W, Standby : 2.5 W | 120 W, Standby : 0.6 W |
| Picture Tube | | Visible size : 66 cm [measured diagonally (H : 58.3 cm × V : 33.0 cm)] | | |
| High Voltage | | 31.0 kV (+1 kV / -1.5 kV) (at zero beam current) | | |
| Speaker | | 13 cm × 6.5 cm oval type × 2 | | |
| Audio Power Output | | 10 W + 10 W | | |
| Aerial Input Terminal | | 75 Ω unbalanced, coaxial | | |
| EXT-1 / EXT-2 / EXT-3 (Input / Output) | | 21-pin Euro connector (SCART socket × 3) | | |
| EXT-4 (Input) | S-Video | Mini-Din 4 pin × 1 Y : 1 V(p-p) positive (negative sync, 75Ω) C : 0.3 V(p-p) (Burst signal, 75Ω) | | |
| | Video Audio (L/R) | 1 V(p-p) 75 Ω, RCA pin jack × 1 500 mV(rms) (-4 dBs), High impedance, RCA pin jack × 2 | | |
| Audio output | | 0-1000 mV (rms), Low impedance, RCA pin jack × 2 | | |
| Headphone Jack | | 3.5 mm stereo mini jack × 1 | | |
| Remote Control Unit | | RM-C1502 (AA/R6 dry cell battery × 2) [AV-28H5SU/AV-28H5SL/AV-28H5SK/AV-28H5SR/AV-28H50SU] RM-C1502B (AA/R6 dry cell battery × 2) [AV-28H5BU/AV-28H5BL] | | |

Design & specifications are subject to change without notice.

| Items | | Contents | | | |
|--|----------------------|---|-----------------------------|-----------------------------|---|
| | | AV-32H5BU AV-32H5SU | AV-32H50SU | AV-32H57SU | AV-32H5SK AV-32H5SR |
| Dimensions (W × H × D) | | 86.4 cm × 58.7 cm × 55.0 cm | 94.6 cm × 56.1 cm × 54.7 cm | 94.8 cm × 56.2 cm × 55.0 cm | 86.4 cm × 58.7 cm × 55.0 cm |
| Mass | | 53.0 kg | | 52.5 kg | 53.0 kg |
| TV RF System | | CCIR (B/G, I, D/K, L) | | | CCIR (I) |
| Colour System | | PAL SECAM NTSC3.58 / NTSC4.43 (Only EXT mode) | | | PAL NTSC3.58 / NTSC4.43 (Only EXT mode) |
| Stereo System | | A2 (B/G, D/K) NICAM (B/G, I, D/K, L) | | | NICAM (I) |
| Receiving Frequency | VHF | 47 MHz - 470 MHz [Except AV-32H5SK] | | | |
| | UHF | 470 MHz - 862 MHz | | | |
| | French CATV | 116 MHz - 172 MHz 220 MHz - 469 MHz | | | --- |
| Intermediate Frequency | VIF | 38.9 MHz (B/G, I, D/K, L) | | | 38.9 MHz (I) |
| | SIF | 33.4 MHz (5.5 MHz :B/G) 32.9 MHz (6.0 MHz:I) 32.4 MHz (6.5 MHz :L, D/K) | | | 32.9 MHz (6.0 MHz:I) |
| | | | | | |
| Colour Sub Carrier Frequency | PAL | 4.43 MHz | | | |
| | SECAM | 4.40625 MHz / 4.25 MHz | | | --- |
| | NTSC | 3.58 MHz / 4.43 MHz | | | |
| Teletext System | | TOP (German system) FLOF (Fastext) WST (Standard system) | | | |
| Power Input | | AC220 V - AC240 V, 50 Hz | | | |
| Power Consumption | | 130 W, Standby : 0.6 W | 130 W, Standby : 2.5 W | 130 W, Standby : 2.5 W | 130 W, Standby : 0.6 W |
| Picture Tube | | Visible size : 76 cm [measured diagonally] (H : 67.4 cm × V : 38.4 cm) | | | |
| High Voltage | | 31.0 kV (+1 kV / -1.5 kV) (at zero beam current) | | | |
| Speaker | | 13 cm × 6.5 cm oval type × 2 | | | |
| Audio Power Output | | 10 W + 10 W | | | |
| Aerial Input Terminal | | 75 Ω unbalanced, coaxial | | | |
| EXT-1 / EXT-2 / EXT-3 (Input / Output) | | 21-pin Euro connector (SCART socket × 3) | | | |
| EXT-4 (Input) | S-Video | Mini-Din 4 pin × 1 Y : 1 V(p-p) positive (negative sync, 75Ω) C : 0.3 V(p-p) (Burst signal, 75Ω) | | | |
| | Video Audio (L/R) | 1 V(p-p) 75 Ω, RCA pin jack × 1 500 mV(rms) (-4 dBs), High impedance, RCA pin jack × 2 | | | |
| Audio output | | 0-1000 mV (rms), Low impedance, RCA pin jack × 2 | | | |
| Headphone Jack | | 3.5 mm stereo mini jack × 1 | | | |
| Remote Control Unit | | RM-C1502 (AA/R6 dry cell battery × 2) [AV-32H5SU/AV-32H5SK/AV-32H5SR/AV-32H50SU/AV-32H57SU] RM-C1502B (AA/R6 dry cell battery × 2) [AV-32H5BU] | | | |

Design & specifications are subject to change without notice.

SECTION 1

PRECAUTION

1.1 SAFETY PRECAUTIONS [EXCEPT FOR UK]

- (1) The design of this product contains special hardware, many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
- (2) Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
- (3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. **Electrical components having such features are identified by shading on the schematics and by (Δ) on the parts list in Service manual.** The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of Service manual may cause shock, fire, or other hazards.
- (4) **Don't short between the LIVE side ground and ISOLATED (NEUTRAL) side ground or EARTH side ground when repairing.**
Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (\perp) side GND, the ISOLATED (NEUTRAL) : (\equiv) side GND and EARTH : (\oplus) side GND.
Don't short between the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND and never measure the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND at the same time with a measuring apparatus (oscilloscope etc.). If above note will not be kept, a fuse or any parts will be broken.
- (5) If any repair has been made to the chassis, it is recommended that the B1 setting should be checked or adjusted (See B1 POWER SUPPLY check).
- (6) The high voltage applied to the picture tube must conform with that specified in Service manual. Excessive high voltage can cause an increase in X-Ray emission, arcing and possible component damage, therefore operation under excessive high voltage conditions should be kept to a minimum, or should be prevented. If severe arcing occurs, remove the AC power immediately and determine the cause by visual inspection (incorrect installation, cracked or melted high voltage harness, poor soldering, etc.). To maintain the proper minimum level of soft X-Ray emission, components in the high voltage circuitry including the picture tube must be the exact replacements or alternatives approved by the manufacturer of the complete product.
- (7) Do not check high voltage by drawing an arc. Use a high voltage meter or a high voltage probe with a VTVM. Discharge the picture tube before attempting meter connection, by connecting a clip lead to the ground frame and connecting the other end of the lead through a 10k Ω 2W resistor to the anode button.

- (8) When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced. Always use the manufacturer's replacement components.

(9) Isolation Check (Safety for Electrical Shock Hazard)

After re-assembling the product, always perform an isolation check on the exposed metal parts of the cabinet (antenna terminals, video/audio input and output terminals, Control knobs, metal cabinet, screw heads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

a) Dielectric Strength Test

The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 3000V AC (r.m.s.) for a period of one second. (. . . Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated up to 120V, and 3000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.) This method of test requires a test equipment not generally found in the service trade.

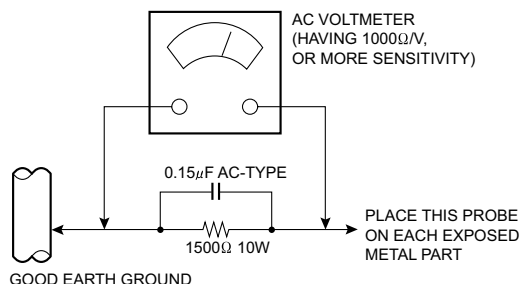
b) Leakage Current Check

Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.). However, in tropical area, this must not exceed 0.2mA AC (r.m.s.).


Alternate Check Method

Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having 1000 Ω /V or more sensitivity in the following manner. Connect a 1500 Ω 10W resistor paralleled by a 0.15 μ F AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.). Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.). This corresponds to 0.5mA AC (r.m.s.).

However, in tropical area, this must not exceed 0.3V AC (r.m.s.). This corresponds to 0.2mA AC (r.m.s.).



1.2 SAFETY PRECAUTIONS [FOR UK]

- (1) The design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
- (2) Alterations of the design or circuitry of the product should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
- (3) Many electrical and mechanical parts in the product have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessary be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the Parts List of Service Manual. Electrical components having such features are identified by shading on the schematics and by () on the Parts List in the Service Manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the Parts List of Service Manual may cause shock, fire, or other hazards.
- (4) The leads in the products are routed and dressed with ties, clamps, tubing's, barriers and the like to be separated from live parts, high temperature parts, moving parts and / or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after re-assembling.

WARNING

- (1) The equipment has been designed and manufactured to meet international safety standards.
- (2) It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
- (3) Repairs must be made in accordance with the relevant safety standards.
- (4) It is essential that safety critical components are replaced by approved parts.
- (5) If mains voltage selector is provided, check setting for local voltage.

SECTION 2

SPECIFIC SERVICE INSTRUCTIONS

2.1 FEATURES

ZOOM

This function can change the screen size according to the picture aspect ratio.

DIGITAL VNR

This function cuts down the amount of noise in the original picture.

PICTURE MODE

This function can adjust the picture settings automatically.

HYPER SOUND

You can enjoy sounds with a wider ambience.

T-V LINK

When you have a T-V LINK compatible VCR connected to the EXT-2 Terminal on the TV, it is easier to set up the VCR and to view videos.

2.2 MAIN DIFFERENCE LIST

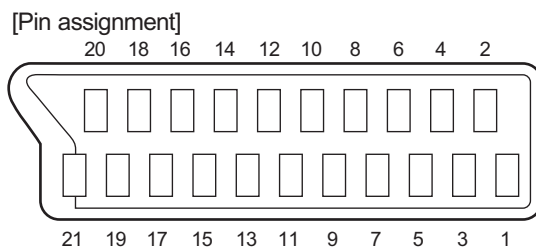
| Item | AV-28H5BU | AV-28H5BL | AV-28H5SK | AV-28H5SL | AV28H5SR | AV-28H5SU | AV-28H50SU |
|---------------------|----------------|-----------|--------------|----------------|--------------|----------------|--------------|
| CABINET COLOUR | BLACK | ← | SILVER | ← | ← | ← | ← |
| RF SYSTEM | PAL,SECAM | ← | PAL | PAL,SECAM | PAL | PAL,SECAM | ← |
| BROADCASTING SYSTEM | B/G, D/K, I, L | ← | I | B/G, D/K, I, L | I | B/G, D/K, I, L | ← |
| REMOTE CONTROL UNIT | RM-C1502B | ← | RM-C1502 | ← | ← | ← | ← |
| MAIN PWB | SML-1302A-U2 | ← | SML-1932A-U2 | SML-1302A-U2 | ← | ← | ← |
| POWER & DEF PWB | SML-2302A-S2 | ← | ← | ← | SML-2302A-U2 | SML-2302A-S2 | ← |
| CRT SOCKET PWB | SML-3302A-U2 | ← | ← | ← | ← | ← | ← |
| SIDE CONTROL PWB | SML-8131A-U2 | ← | ← | ← | ← | ← | SML-8133A-U2 |
| FRONT CONTORL PWB | SML-8301A-U2 | ← | ← | ← | ← | ← | SML-8302A-U2 |
| AV JACK PWB | SML0J301A-U2 | ← | ← | ← | ← | ← | ← |
| 100HZ PWB | SML0Z301A-U2 | ← | ← | ← | ← | ← | ← |

| Item | AV-32H5BU | AV-32H5SK | AV-32H5SR | AV-32H5SU | AV-32H50SU | AV-32H57SU |
|---------------------|----------------|--------------|--------------|----------------|--------------|--------------|
| CABINET COLOUR | BLACK | SILVER | ← | ← | ← | ← |
| RF SYSTEM | PAL,SECAM | PAL | ← | PAL,SECAM | ← | ← |
| BROADCASTING SYSTEM | B/G, D/K, I, L | I | ← | B/G, D/K, I, L | ← | ← |
| REMOTE CONTROL UNIT | RM-C1502B | RM-C1502 | ← | ← | ← | ← |
| MAIN PWB | SML-1301A-U2 | SML-1931A-U2 | SML-1301A-U2 | ← | ← | ← |
| POWER & DEF PWB | SML-2301A-S2 | ← | SML-2301A-U2 | SML-2301A-S2 | ← | SML-2301A-U2 |
| CRT SOCKET PWB | SML-3301A-U2 | ← | ← | ← | ← | ← |
| SIDE CONTROL PWB | SML-8131A-U2 | ← | ← | ← | SML-8133A-U2 | ← |
| FRONT CONTORL PWB | SML-8301A-U2 | ← | ← | ← | SML-8302A-U2 | ← |
| AV JACK PWB | SML0J301A-U2 | ← | ← | ← | ← | ← |
| 100HZ PWB | SML0Z301A-U2 | ← | ← | ← | ← | ← |

2.3 21-PIN EURO CONNECTOR (SCART) : EXT-1/EXT-2/EXT-3

| Pin No. | Signal designation | Matching value | EXT-1 | EXT-2 | EXT-3 |
|---------|-----------------------|--|---------------|-----------------------|-----------|
| 1 | AUDIO R output | 500mV(rms) (Nominal), Low impedance | Used (TV OUT) | Used (LINE OUT) | Not used |
| 2 | AUDIO R input | 500mV(rms) (Nominal), High impedance | Used (R1) | Used (R2) | Used (R3) |
| 3 | AUDIO L output | 500mV(rms) (Nominal), Low impedance | Used (TV OUT) | Used (LINE OUT) | Not used |
| 4 | AUDIO GND | | Used | Used | Used |
| 5 | GND (B) | | Used | Used | Used |
| 6 | AUDIO L input | 500mV(rms) (Nominal), High impedance | Used (L1) | Used (L2) | Used (L3) |
| 7 | B input | 700mV _(B-W) , 75Ω | Used | Used | Not used |
| 8 | FUNCTION SW (SLOW SW) | Low : 0V-3V High : 8V-12V, High impedance | Used | Used | Used |
| 9 | GND (G) | | Used | Used | Used |
| 10 | SCL / T-V LINK | | Not used | Used (SCL2 / TV-LINK) | Not used |
| 11 | G input | 700mV _(B-W) , 75Ω | Used | Used | Not used |
| 12 | SDA | | Not used | Used (SDA2) | Not used |
| 13 | GND (R) | | Used | Used | Used |
| 14 | GND (YS) | | Used | Not used | Not used |
| 15 | R / C input | R : 700mV _(B-W) , 75Ω C : 300mV _(P-P) , 75Ω | Used (R) | Used (C2/R) | Used (C3) |
| 16 | Ys input (FAST SW) | Low : 0V-0.4V, High : 1V-3V, 75Ω | Used | Used | Not used |
| 17 | GND (VIDEO output) | | Used | Used | Used |
| 18 | GND (VIDEO input) | | Used | Used | Used |
| 19 | VIDEO output | 1V _(P-P) (Negative sync), 75Ω | Used (TV OUT) | Used (LINE OUT) | Not used |
| 20 | VIDEO / Y input | 1V _(P-P) (Negative sync), 75Ω | Used | Used | Used |
| 21 | COMMON GND | | Used | Used | Used |

(P-P= Peak to Peak, B-W= Blanking to white peak)



2.4 TECHNICAL INFORMATION

2.4.1 MAIN MI-COM (CPU) PIN FUNCTION

| Pin No. | Pin name | I/O | Function | Pin No. | Pin name | I/O | Function |
|---------|----------|-----|--|---------|-----------|-----|--|
| 1 | D1 | I/O | Data bit for SRAM | 51 | NC | -- | Not used |
| 2 | D4 | I/O | Data bit for SRAM | 52 | XTAL2 | I | System clock (6MHz) |
| 3 | D2 | I/O | Data bit for SRAM | 53 | XTAL1 | O | System clock (6MHz) |
| 4 | D3 | I/O | Data bit for SRAM | 54 | NC | -- | Not used |
| 5 | XROM | I | External ROM access (Enable: L) | 55 | VSSA | -- | GND |
| 6 | VDD25 | I | 2.5V | 56 | VDDA25 | I | 2.5V |
| 7 | VSS25 | -- | GND | 57 | R | O | Red for OSD / Teletext |
| 8 | VDD33 | I | 3.3V | 58 | G | O | Green for OSD / Teletext |
| 9 | P0.0 | O | I2C bus clock for E2PROM | 59 | B | O | Blue for OSD / Teletext |
| 10 | P0.1 | I/O | I2C bus data for E2PROM | 60 | BLANK/COR | O | Output for blanking and contrast reduction |
| 11 | P0.2 | O | I2C bus clock for generally | 61 | NC | -- | Not used |
| 12 | P0.3 | I/O | I2C bus data for generally | 62 | P1.7 | O | Not used |
| 13 | P0.4 | O | Not used | 63 | NC | -- | Not used |
| 14 | P0.5 | O | Not used | 64 | WR | O | External memory write strobe for SRAM |
| 15 | P0.6 | O | Audio muting (Muting: H) | 65 | RD | O | External memory read strobe for SRAM |
| 16 | P0.7 | O | Power on/off control (ON: L) | 66 | NC | -- | Not used |
| 17 | ENE | I | Not used | 67 | A19 | O | Address bit for SRAM |
| 18 | STOP | I | Not used | 68 | A18 | O | Address bit for SRAM |
| 19 | OCF | I | Not used | 69 | A17 | O | Address bit for SRAM |
| 20 | EXTIF | I | Extended memory interface (Enable: L) | 70 | A16 | O | Address bit for SRAM |
| 21 | CVBS | I | Composite video signal input | 71 | A15 | O | Address bit for SRAM |
| 22 | VDDA25 | I | 2.5V | 72 | FL_RGM | I | Not used |
| 23 | VSSA | -- | GND | 73 | VDD25 | I | 2.5V |
| 24 | P2.0 | I | AFC voltage from tuner | 74 | VSS | -- | GND |
| 25 | P2.1 | I | Key scan from front control CH+ CH- MENU | 75 | VDD33 | I | 3.3V |
| 26 | P2.2 | I | AGC voltage from tuner | 76 | A14 | O | Address bit for SRAM |
| 27 | P2.3 | O | Not used | 77 | A12 | O | Address bit for SRAM |
| 28 | NC | -- | Not used | 78 | A13 | O | Address bit for SRAM |
| 29 | HS/SSC | I | Horizontal sync | 79 | A7 | O | Address bit for SRAM |
| 30 | VS | I | Vertical sync | 80 | FL_RST | I | Not used |
| 31 | P3.0 | O | Not used | 81 | A8 | O | Address bit for SRAM |
| 32 | P3.1 | O | Not used | 82 | A6 | O | Address bit for SRAM |
| 33 | P3.2 | I | Remote control | 83 | A9 | O | Address bit for SRAM |
| 34 | P3.3 | I | Receive data from TV_LINK | 84 | A5 | O | Address bit for SRAM |
| 35 | P3.4 | O | DDP reset (Reset: H) | 85 | A11 | O | Address bit for SRAM |
| 36 | P3.5 | I | X-ray HB LB EW correction Protection detection (Normal: H) | 86 | A4 | O | Address bit for SRAM |
| 37 | P3.6 | I/O | Not used | 87 | ALE | O | Enable for address latch |
| 38 | P3.7 | I | Not used | 88 | PSEN | O | Enable for program store |
| 39 | VSS | -- | GND | 89 | A3 | O | Address bit for SRAM |
| 40 | VDD33 | I | 3.3V | 90 | A10 | O | Address bit for SRAM |
| 41 | P1.0 | O | Not used | 91 | VSS | -- | GND |
| 42 | P1.1 | O | Not used | 92 | VDD33 | I | 3.3V |
| 43 | P1.2 | O | Not used | 93 | A2 | O | Address bit for SRAM |
| 44 | P1.3 | O | Output data for TV_LINK | 94 | A1 | O | Address bit for SRAM |
| 45 | P1.4 | O | MSP reset (Reset: H) | 95 | FL_CE | I | Not used |
| 46 | P1.5 | O | Not used | 96 | D7 | I/O | Data bit for SRAM |
| 47 | P1.6 | O | Power indication control (ON: L) | 97 | A0 | O | Address bit for SRAM |
| 48 | P4.2 | O | Not used | 98 | D6 | I/O | Data bit for SRAM |
| 49 | P4.3 | O | Not used | 99 | D0 | I/O | Data bit for SRAM |
| 50 | RST | I | Reset for main CPU | 100 | D5 | I/O | Data bit for SRAM |

SECTION 3

DISASSEMBLY

3.1 DISASSEMBLY PROCEDURE [H5 series]

3.1.1 REMOVING THE REAR COVER

- (1) Remove the 13 screws **[A]**, then withdraw the REAR COVER toward you.

3.1.2 REMOVING THE SIDE CONTROL JACK ASS'Y

- Remove the REAR COVER.
 - (1) Remove the 1 screw **[B]** and 1 claw, then remove the SIDE CONTROL JACK ASS'Y.

3.1.3 REMOVING THE SIDE CONTROL PWB

- Remove the REAR COVER.
- Remove the SIDE CONTROL JACK ASS'Y.
 - (1) Remove the 2 screws **[C]**, then remove the SIDE CONTROL PWB.

3.1.4 REMOVING THE CHASSIS BASE

- Remove the REAR COVER.
 - (1) Slightly raise the both sides of the chassis by hand and remove the 2 claws under the both sides of the CHASSIS BASE from the front cabinet.
 - (2) Withdraw the CHASSIS backward.
(If necessary, take off the wire clamp, connectors etc.)

3.1.5 REMOVING THE AV TERMINAL BOARD

- Remove the REAR COVER.
 - (1) Remove the 3 screws **[D]**.
 - (2) Remove the 2 claws under the CHASSIS, then remove the AV TERMINAL BOARD.

3.1.6 REMOVING THE SPEAKER

- Remove the REAR COVER.
- Remove the SIDE CONTROL JACK ASS'Y.
- Remove the CHASSIS BASE.
 - (1) Remove the 4 screws **[E]**, then remove the SPEAKER.
 - (2) Follow the same steps when removing the other hand SPEAKER.

3.1.7 CHECKING THE PW BOARD

- To check the back side of the PW Board.
 - (1) Pull out the CHASSIS BASE. (Refer to REMOVING THE CHASSIS BASE).
 - (2) Erect the CHASSIS BASE vertically with the HVT side facing up so that you can easily check the back side of the PW board.

CAUTION:

- When erecting the CHASSIS BASE, be careful so that there will be no contacting with other PW Board.
- Before turning on power, make sure that the wire connector is properly connected.
- When conducting a check with power supplied, be sure to confirm that the CRT EARTH WIRE (BRAIDED ASS'Y) is connected to the CRT SOCKET PWB.

3.1.8 WIRE CLAMPING AND CABLE TYING

- (1) Be sure to clamp the wire.
- (2) Never remove the cable tie used for tying the wires together. Should it be inadvertently removed, be sure to tie the wires with a new cable tie.

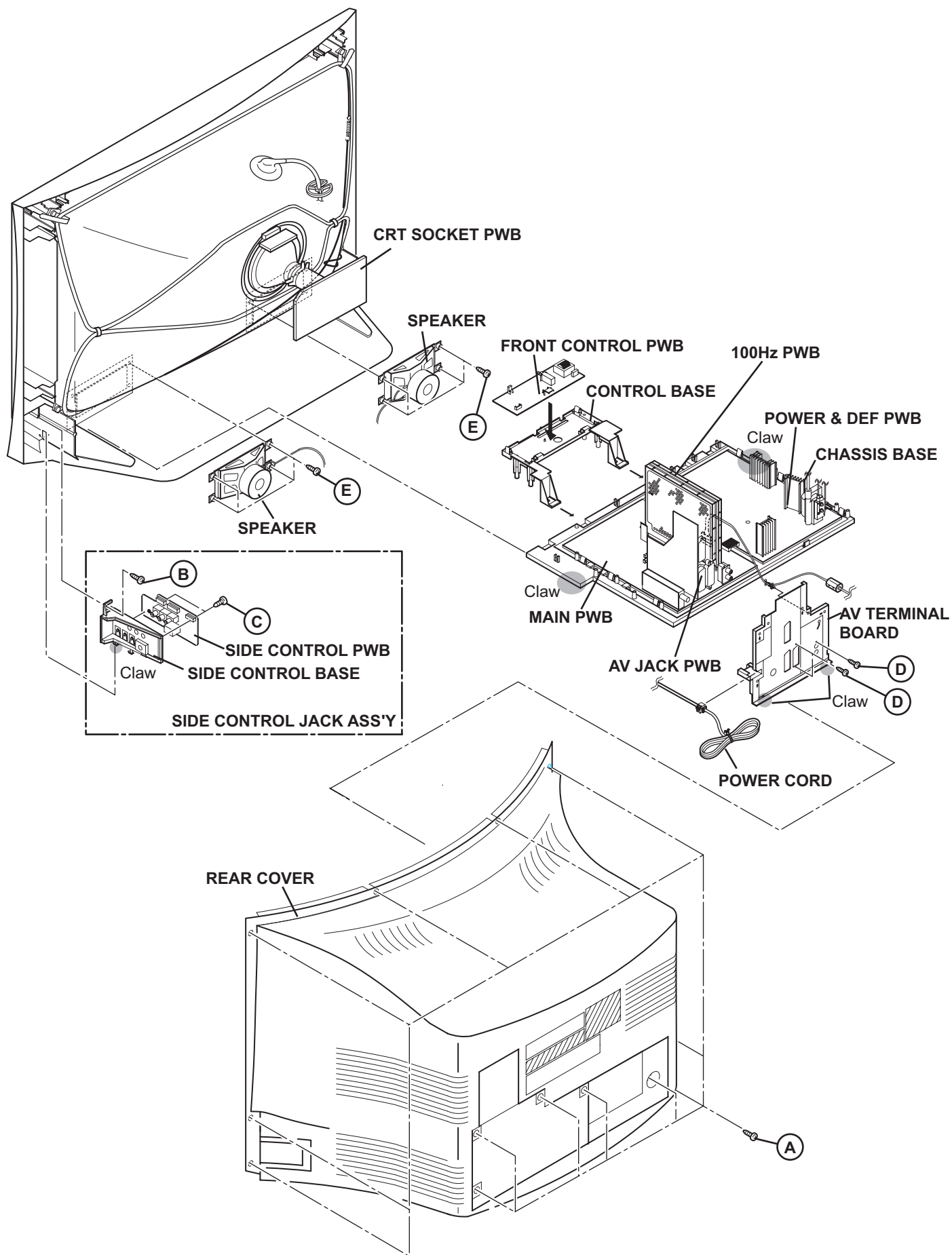


Fig.1

3.2 DISASSEMBLY PROCEDURE [H50/H57 series]

3.2.1 REMOVING THE REAR COVER

- (1) Remove the 13 screws **[A]**, then withdraw the REAR COVER toward you.

3.2.2 REMOVING THE SIDE CONTROL JACK ASS'Y

- Remove the REAR COVER.
 - (1) Remove the 1 screw **[B]**, then remove the SIDE CONTROL JACK ASS'Y.

3.2.3 REMOVING THE SIDE CONTROL PWB

- Remove the REAR COVER.
- Remove the SIDE CONTROL JACK ASS'Y.
 - (1) Remove the 2 claws, then remove the SIDE CONTROL PWB.

3.2.4 REMOVING THE CHASSIS BASE

- Remove the REAR COVER.
 - (1) Slightly raise the both sides of the chassis by hand and remove the 2 claws under the both sides of the CHASSIS BASE from the front cabinet.
 - (2) Withdraw the CHASSIS backward.
(If necessary, take off the wire clamp, connectors etc.)

3.2.5 REMOVING THE AV TERMINAL BOARD

- Remove the REAR COVER.
 - (1) Remove the 3 screws **[C]**.
 - (2) Remove the 2 claws under the CHASSIS, then remove the AV TERMINAL BOARD.

3.2.6 REMOVING THE SPEAKER

- Remove the REAR COVER.
- Remove the SIDE CONTROL JACK ASS'Y.
- Remove the CHASSIS BASE.
 - (1) Remove the 2 screws **[D]**, then remove the SPEAKER with SPEAKER ADAPTER.
 - (2) Remove the 4 screws **[E]**, then remove the SPEAKER from SPEAKER ADAPTER.
 - (3) Follow the same steps when removing the other hand SPEAKER.

3.2.7 CHECKING THE PW BOARD

- To check the back side of the PW Board.
 - (1) Pull out the CHASSIS BASE. (Refer to REMOVING THE CHASSIS BASE).
 - (2) Erect the CHASSIS BASE vertically with the HVT side facing up so that you can easily check the back side of the PW board.

CAUTION:

- When erecting the CHASSIS BASE, be careful so that there will be no contacting with other PW Board.
- Before turning on power, make sure that the wire connector is properly connected.
- When conducting a check with power supplied, be sure to confirm that the CRT EARTH WIRE (BRAIDED ASS'Y) is connected to the CRT SOCKET PWB.

3.2.8 WIRE CLAMPING AND CABLE TYING

- (1) Be sure to clamp the wire.
- (2) Never remove the cable tie used for tying the wires together. Should it be inadvertently removed, be sure to tie the wires with a new cable tie.

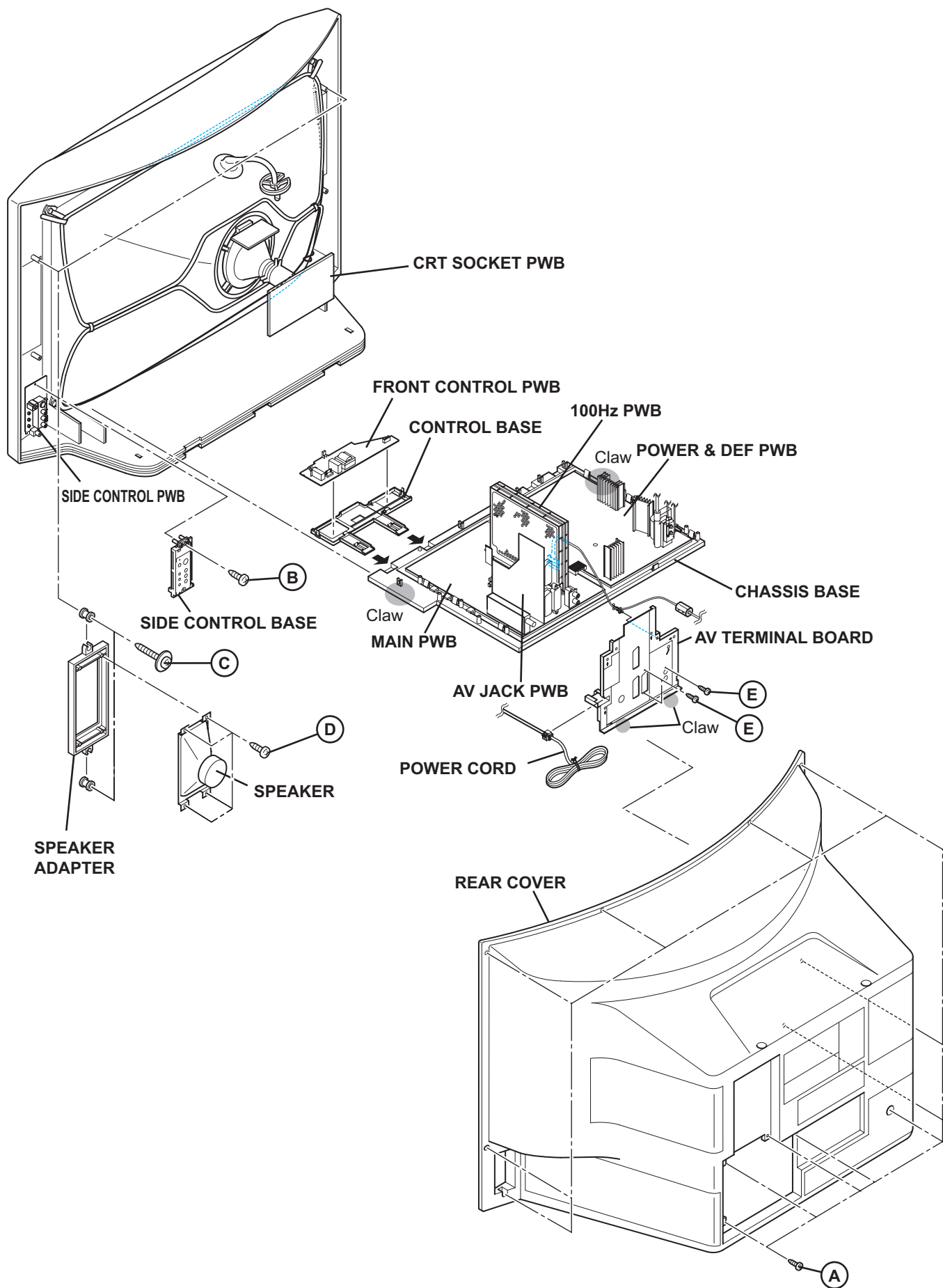


Fig.1

3.3 REMOVING THE CRT

NOTE:

- Replacement of the CRT should be performed by 2 or more persons.
 - After removing the REAR COVER, CHASSIS etc.,
- (1) Putting the CRT change table on soft cloth, the CRT change table should also be covered with such soft cloth (shown in Fig. 2).
 - (2) While keeping the surface of CRT down, mount the TV set on the CRT change table balanced well as shown in Fig. 2.
 - (3) Remove 4 screws marked by arrows with a box type screw-driver as shown in Fig. 3.

NOTE:

Since the cabinet will drop when screws have been removed, be sure to support the cabinet with hands.

- (4) After 4 screws have been removed, put the cabinet slowly on cloth (At this time, be carefully so as not to damage the front surface of the cabinet) shown in Fig. 4.

NOTE:

- The CRT should be assembled according to the opposite sequence of its dismantling steps.
- The CRT change table should preferably be smaller than the CRT surface, and its height be about 35cm.

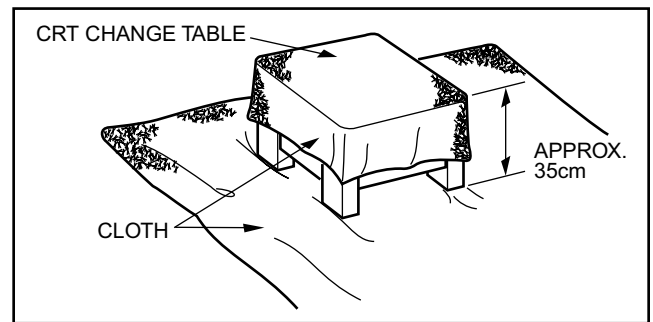


Fig.2

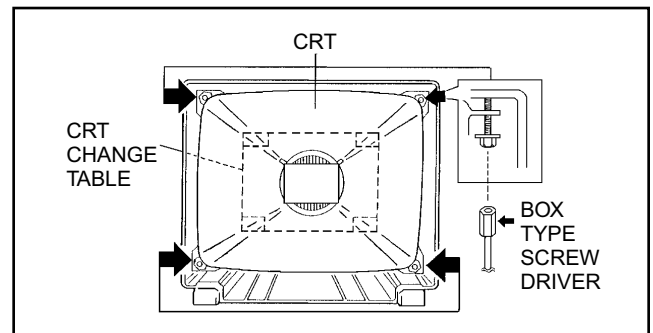


Fig.3

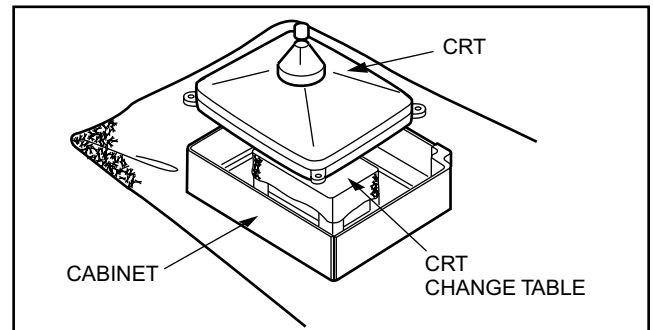


Fig.4

COATING OF SILICON GREASE FOR ELECTRICAL INSULATION ON THE CRT ANODE CAP SECTION.

Subsequent to replacement of the CRT and HV transformer or repair of the anode cap, etc. by dismantling them, be sure to coat silicon grease for electrical insulation as shown in Fig.5. Wipe around the anode button with clean and dry cloth. (Fig.5) Coat silicon grease on the section around the anode button. At this time, take care so that any silicon greases do not stick to the anode button. (Fig.6)

Silicon grease product No. KS - 650N

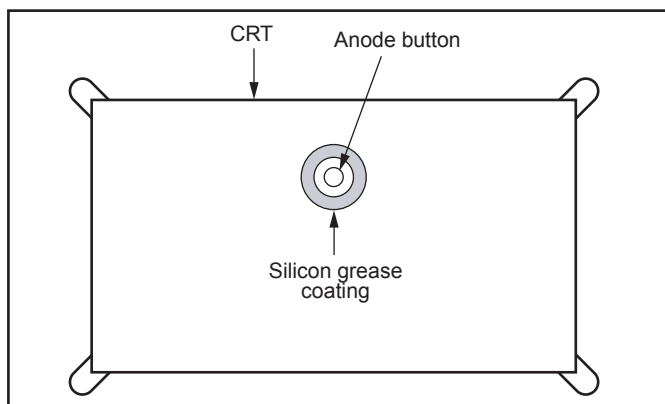


Fig.5

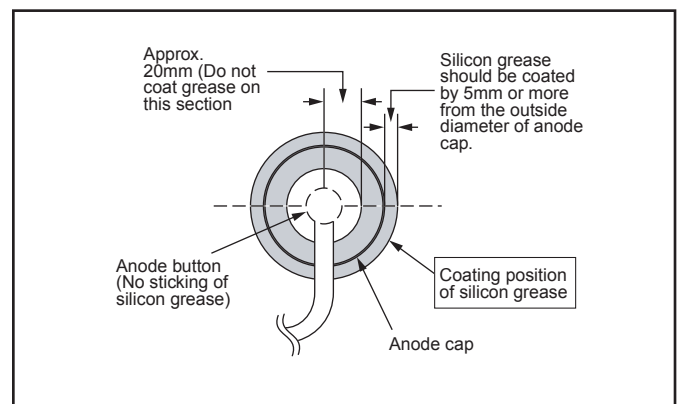


Fig.6

3.4 MEMORY IC REPLACEMENT

- This model uses the memory IC.
- This memory IC stores data for proper operation of the video and drive circuits.
- When replacing, be sure to use an IC containing this (initial value) data.

3.4.1 MEMORY IC REPLACEMENT PROCEDURE

1. Power off

Switch off the power and disconnect the power plug from the AC outlet.

2. Replace the memory IC

Be sure to use the memory IC written with the initial setting values.

3. Power on

Connect the power plug to the AC outlet and switch on the power.

4. System constant check and setting

* It must not adjust without signal.

- (1) Press the **[INFORMATION]** key and the **[MUTING]** key of the REMOTE CONTROL UNIT simultaneously.
- (2) The SERVICE MENU screen will be displayed (Fig. 1).
- (3) While the SERVICE MENU is displayed, press the **[INFORMATION]** key and **[MUTING]** key simultaneously, and the SYSTEM CONSTANT SET screen will be displayed (Fig. 2).
- (4) Check the setting values of the SYSTEM CONSTANT SET. If the value is different, select the setting item with the **[FUNCTION ▲ / ▼]** key, and set the correct value with the **[FUNCTION ◀ / ▶]** key.
- (5) Press the **[MENU]** key to memorize the setting value.
- (6) Press the **[INFORMATION]** key twice, and return to the normal screen.

5. Receiving channel setting

Refer to the OPERATING INSTRUCTIONS and set the receive channels (Channels Preset) as described.

6. User settings

Check the user setting items according to the given in page later. Where these do not agree, refer to the OPERATING INSTRUCTIONS and set the items as described.

7. SERVICE MODE setting

Verify what to set in the SERVICE MODE, and set whatever is necessary (Fig.1). Refer to the SERVICE ADJUSTMENT for setting.

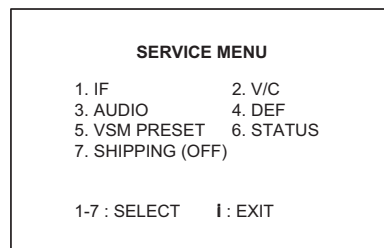
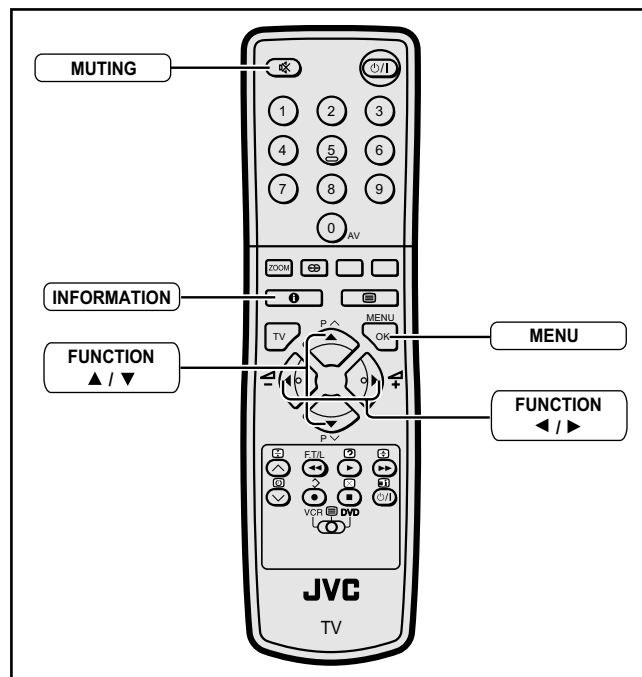


Fig.1



Fig.2



3.4.2 SYSTEM CONSTANT SETTING

| Setting item | Setting content | Setting value | | | | | |
|----------------|-----------------|--|-----------|------------------------|-----------|------------------------|--|
| | | AV-28H5BU AV-28H5SU AV-32H5BU AV-32H5SU | AV-28H5BL | AV-28H5SK AV-32H5SK | AV-28H5SL | AV-28H5SR AV-32H5SR | AV-28H50SU AV-32H50SU AV-32H57SU |
| 1.DESTINATION | EU / EK / EI | EU | EU | EK | EU | EI | EU |
| 2.CRT TYPE | 16 : 9 / 4 : 3 | 16 : 9 | 16 : 9 | 16 : 9 | 16 : 9 | 16 : 9 | 16 : 9 |
| 3.PICTURE TILT | YES / NO | YES | YES | YES | YES | YES | YES |
| 4.POWER BASS | YES / NO | NO | NO | NO | NO | NO | NO |
| 5.SPATIAL SURR | YES / NO | NO | NO | NO | NO | NO | NO |
| 6.PIC&TEXT | YES / NO | NO | NO | NO | NO | NO | NO |
| 7.PROGRESSIVE | YES / NO | NO | NO | NO | NO | NO | NO |

3.4.3 SETTINGS OF FACTORY SHIPMENT

3.4.3.1 BUTTON OPERATION

| Setting item | Setting position |
|--------------|------------------|
| POWER | Off |
| CHANNEL | PR1 |
| VOLUME | 10 |

3.4.3.3 REMOTE CONTROL MENU OPERATION

(1) PICTURE SETTING

| Setting item | Setting position |
|--------------|------------------|
| PICTURE MODE | BRIGHT |
| COLOUR TEMP | COOL |

(2) PICTURE FEATURES

| Setting item | Setting position |
|-----------------|---|
| DIGITAL VNR | AUTO |
| COLOUR SYSTEM | TV : According to preset CH EXT : AUTO |
| 4:3 AUTO ASPECT | PANORAMIC |
| PICTURE TILT | Middle |

(3) SOUND SETTING

| Setting item | Setting position |
|---------------|---|
| STEREO / I+II | Stereo sound |
| BASS | -5 [H5 series] Centre [H50 / H57 series] |
| TREBLE | Centre |
| BALANCE | Centre |
| HYPER SOUND | OFF |

(7) VSM PRESET TABLE

| Item | Variable range | Setting value | | | | | |
|----------|----------------|---------------|----------|------|--------------|--------|------|
| | | PICTURE MODE | | | COLOUR TEMP. | | |
| | | BRIGHT | STANDARD | SOFT | COOL | NORMAL | WARM |
| 1.BRIGHT | -16~+16 | 0 | 0 | 0 | --- | --- | --- |
| 2.CONT | -16~+16 | +7 | 0 | -3 | --- | --- | --- |
| 3.COLOUR | -16~+16 | 0 | 0 | 0 | --- | --- | --- |
| 4.SHARP | -16~+16 | 0 | 0 | -2 | --- | --- | --- |
| 5.HUE | -16~+16 | 0 | 0 | 0 | --- | --- | --- |
| 1.WDR R | -64~+63 | --- | --- | --- | -15 | 0 | +4 |
| 2.WDR G | -64~+63 | --- | --- | --- | -9 | 0 | 0 |
| 3.WDR B | -64~+63 | --- | --- | --- | 0 | 0 | 0 |

3.4.3.2 REMOTE CONTROL DIRECT OPERATION

| Setting item | Setting position |
|--------------|------------------|
| CHANNEL | PR1 |
| VOLUME | 10 |
| ZOOM | PANORAMIC |

(4) EXT SETTING

| Setting item | Setting position |
|--------------|------------------|
| ID | BLANK |
| S-IN | BLANK |
| DUBBING | EXT-1 → EXT-2 |

(5) FEATURES

| Setting item | Setting position |
|-----------------|------------------|
| SLEEP TIMER | OFF |
| CHILD LOCK | OFF |
| BLUE BACK | ON |
| DECODER (EXT-2) | OFF |

(6) INSTALL

| Setting item | Setting position |
|--------------|--------------------------------------|
| LANGUAGE | ENGLISH |
| AUTO PROGRAM | TV channel automatically set |
| EDIT/MANUAL | PRESET CH only The others : BLANK |

3.4.4 SERVICE MODE SETING ITEMS

| Setting item | Setting value | Setting item | Setting value |
|------------------------------------|---|--|---|
| 1. IF | 1. VCO | 4. DEF | 1.V-SHIFT 2.V-SIZE 3.H-CENT 4.H-SIZE 5.TRAPEZ 6.EW-PIN 7.COR-UP 8.COR-LO 9.COR-UP-S 10.COR-LO-S 11.ANGLE 12.BOW 13.V-S.CR 14.V-LIN |
| 2. V/C | 1.RGB BLK 2.CUTOFF R 3.CUTOFF G 4.CUTOFF B 5.WDR R 6.WDR G 7.WDR B 8.BRIGHT 9.CONT. 10.COLOUR 11.HUE 12.SHARP 13.SC ADJ 14.SIDE.P.L 15.SIDE.P.R | 5. VSM PRESET | BRIGHT/SOFT/STANDARD 1. BRIGHT 2. CONT 3. COLOUR 4. SHARP 5. HUE COOL/WARM/NORMAL 1. WDR R 2. WDR G 3. WDR B |
| 3. AUDIO [Do not adjust] | 1.ERROR LIMIT 2.A2 ID THR 3.Q-PEAK 4.SOUND LEVEL | 6. STATUS [Do not adjust] | --- |
| | | 7.SHIPPING (OFF) [Do not adjust] | --- |

3.5 REPLACEMENT OF CHIP COMPONENT

3.5.1 CAUTIONS

- (1) Avoid heating for more than 3 seconds.
- (2) Do not rub the electrodes and the resist parts of the pattern.
- (3) When removing a chip part, melt the solder adequately.
- (4) Do not reuse a chip part after removing it.

3.5.2 SOLDERING IRON

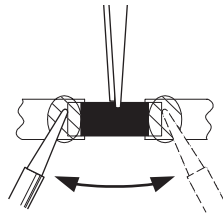
- (1) Use a high insulation soldering iron with a thin pointed end of it.
- (2) A 30w soldering iron is recommended for easily removing parts.

3.5.3 REPLACEMENT STEPS

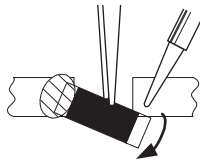
1. How to remove Chip parts

[Resistors, capacitors, etc.]

- (1) As shown in the figure, push the part with tweezers and alternately melt the solder at each end.



- (2) Shift with the tweezers and remove the chip part.

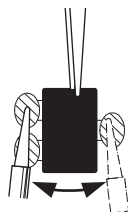


[Transistors, diodes, variable resistors, etc.]

- (1) Apply extra solder to each lead.



- (2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.



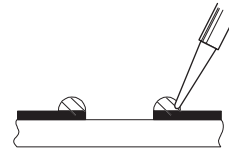
NOTE :

After removing the part, remove remaining solder from the pattern.

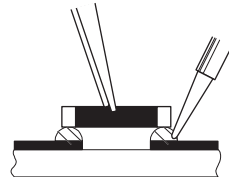
2. How to install Chip parts

[Resistors, capacitors, etc.]

- (1) Apply solder to the pattern as indicated in the figure.

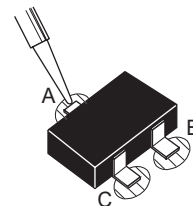


- (2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.

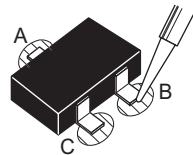


[Transistors, diodes, variable resistors, etc.]

- (1) Apply solder to the pattern as indicated in the figure.
- (2) Grasp the chip part with tweezers and place it on the solder.
- (3) First solder lead **A** as indicated in the figure.



- (4) Then solder leads **B** and **C**.



SECTION 4 ADJUSTMENT

4.1 ADJUSTMENT PREPARATION

- (1) There are 2 ways of adjusting this TV : One is with the **REMOTE CONTROL UNIT** and the other is the conventional method using adjustment parts and components.
- (2) The adjustment using the **REMOTE CONTROL UNIT** is made on the basis of the initial setting values. The setting values which adjust the screen to the optimum condition can be different from the initial setting values.
- (3) Make sure that connection is correctly made AC to AC power source.
- (4) Turn on the power of the TV and measuring instruments for warming up for at least 30 minutes before starting adjustments.
- (5) If the receive or input signal is not specified, use the most appropriate signal for adjustment.
- (6) Never touch the parts (such as variable resistors, transformers and condensers) not shown in the adjustment items of this service adjustment.

4.2 PRESET SETTING BEFORE ADJUSTMENT

Unless otherwise specified in the adjustment items, preset the following functions with the **REMOTE CONTROL UNIT**.

| Item | Preset value |
|--|--------------|
| PICTURE MODE | STANDARD |
| CONTRAST / BRIGHT / SHARP / COLOUR / HUE | Centre |
| COLOUR TEMP | NORMAL |
| DIGITAL VNR | AUTO |
| BASS / TREBLE / BALANCE | Centre |
| HYPER SOUND | OFF |
| ZOOM | FULL |
| SLEEP TIMER | OFF |

4.3 MEASURING INSTRUMENT AND FIXTURES

- (1) DC voltmeter (or digital voltmeter)
- (2) Oscilloscope
- (3) Signal generator
(Pattern generator : PAL / SECAM / NTSC)
- (4) Remote control unit

4.4 ADJUSTMENT ITEMS

■ CHECK ITEM

- B1 VOLTAGE check
- HIGH VOLTAGE check
- IF VCO check

■ FOCUS

- FOCUS adjustment

■ DEFLECTION CIRCUIT

- V. POSITION adjustment
- V. SIZE adjustment
- H. POSITION adjustment
- H. SIZE adjustment
- SIDE-PIN adjustment
- TRAPEZIUM adjustment
- CORNER adjustment
- ANGLE adjustment
- BOW adjustment
- V. S-SHAPE CORRECTION & V.LINEARITY adjustment

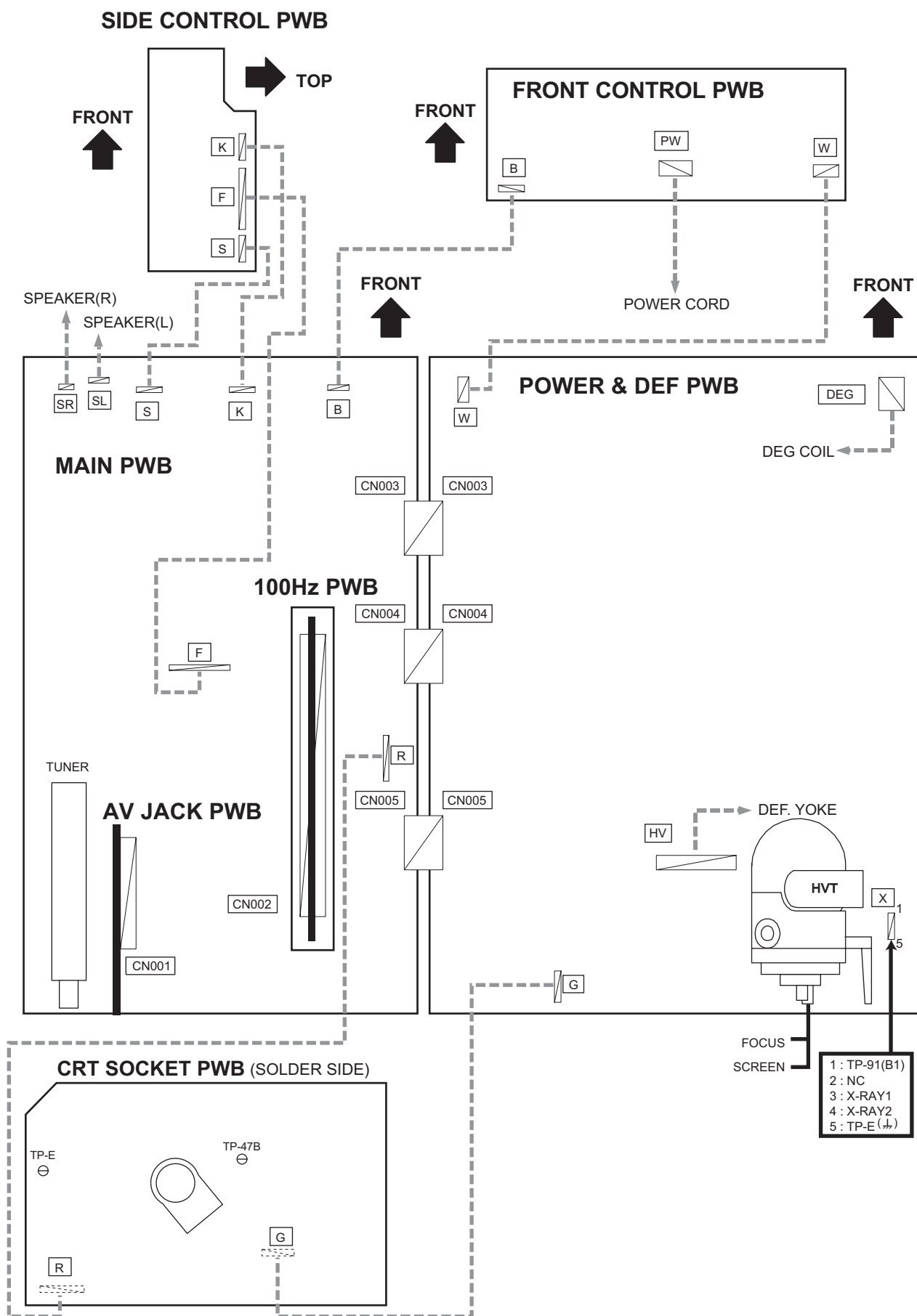
■ VIDEO CIRCUIT

- WHITE BALANCE adjustment
- SUB BRIGHT adjustment
- SUB CONTRAST adjustment
- SUB COLOUR adjustment
- SUB HUE adjustment

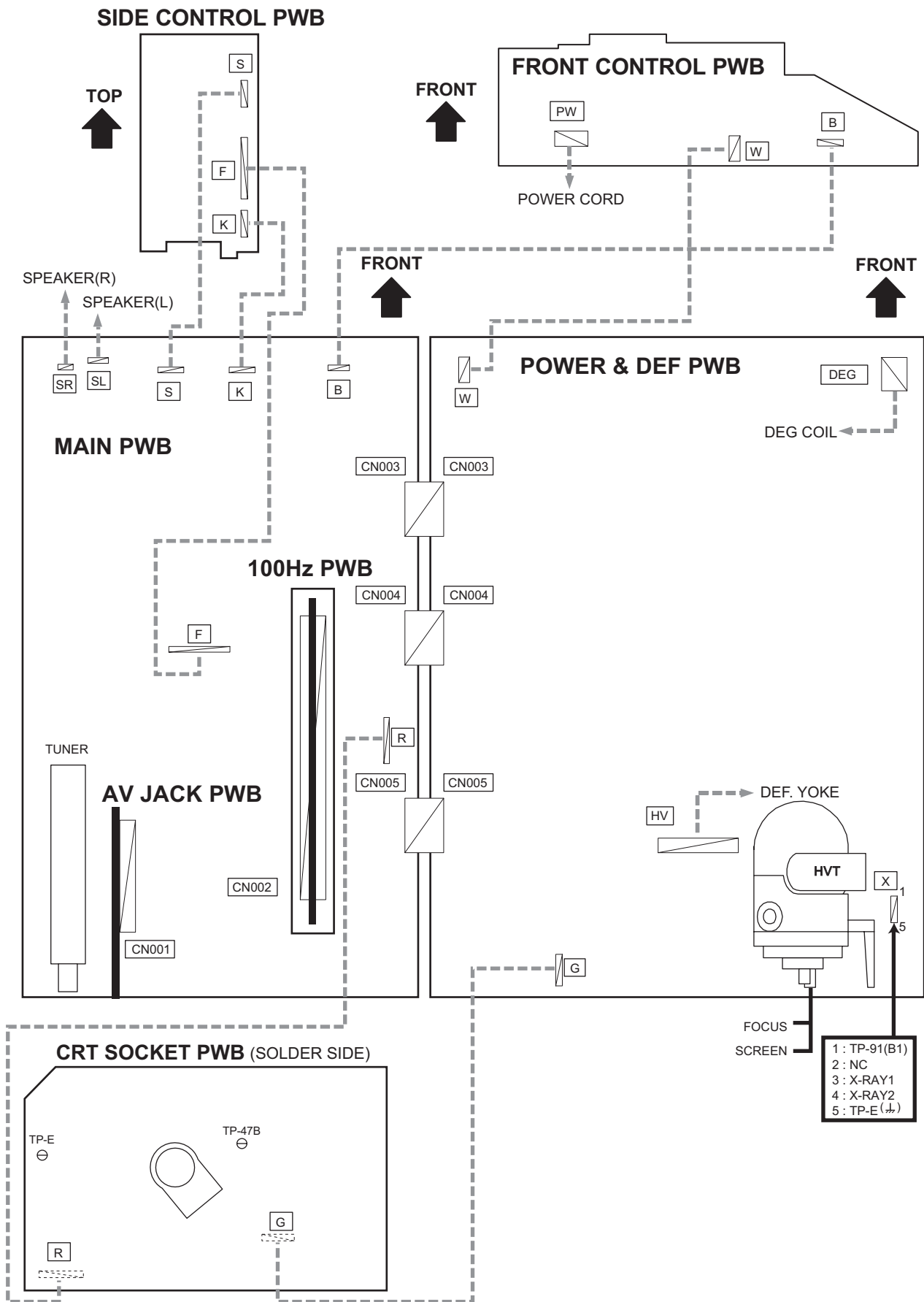
■ VSM PRESET SETTING

- VSM PRESET setting

4.5 ADJUSTMENT LOCATIONS [H5 series]



4.6 ADJUSTMENT LOCATIONS [H50/H57 series]



4.7 TOOL OF SERVICE MODE OPERATION

Operate the SERVICE MODE with the REMOTE CONTROL UNIT.

4.7.1 SERVICE MODE ITEMS

With the SERVICE MODE, various adjustment can be made, and they are broadly classified in the following items of settings.

- 1.IF** : This mode adjusts the setting values of the IF circuit.
- 2.V/C** : This mode adjusts the setting values of the VIDEO circuit.
- 3.AUDIO** : This mode adjusts the setting values of the MULTI-SOUND circuit. **[Do not adjust]**
- 4.DEF** : This mode adjusts the setting values of the DEFLECTION circuit.
- 5.VSM PRESET** : This mode adjusts the setting values of COOL, NORMAL and WARM. (VSM : Video Status Memory)
- 6.STATUS** : This mode is shows the monitor of VPS, PDC, WSS. **[Do not adjust]**
- 7.SHIPPING (OFF)** : This mode is set at shipping. **[Do not adjust]**

4.7.2 BASIC OPERATION IN SERVICE MODE

4.7.2.1 HOW TO ENTER THE SERVICE MODE

Press the **[INFORMATION]** key and **[MUTING]** key of the REMOTE CONTROL UNIT simultaneously. Then SERVICE MODE screen will be displayed as shown figure.

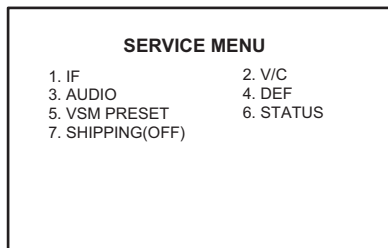


Fig.1

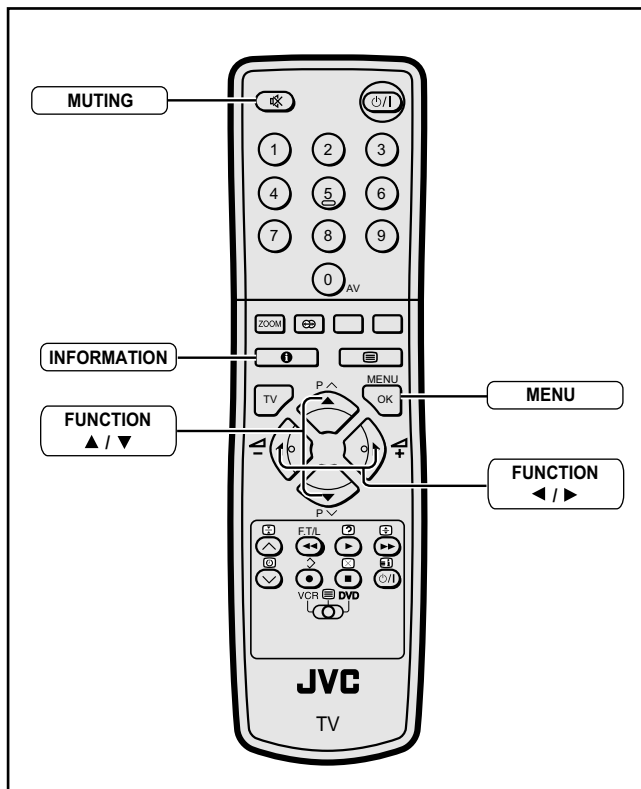


Fig.2

4.7.2.2 SELECTION OF SUB MENU SCREEN

Press one of the CHANNEL number key with the remote control unit, and select the SUB MENU SCREEN from SERVICE MODE.

4.7.2.3 SETTING METHOD

■ 1.IF

[1. VCO] : It must not adjust without signal

- (1) **[1]** key
Select 1.IF.
- (2) Check the arrow position between the ABOVE REF. and BELOW REF.
- (3) **[INFORMATION]** key
Return to the SERVICE MODE main manu screen.

■ 2.V/C, 4.DEF and 5.VSM PRESET

- (1) **[2], [4] and [5]**key
Select one from 2.V/C, 4.DEF, 5.VSM PRESET.
- (2) **[FUNCTION ▲/▼]** key
Select setting items.
- (3) **[FUNCTION ◀/▶]** key
Set the setting values of the setting items.
- (4) **[MENU]** key
Memorize the setting value.
(Before storing the setting values in memory, do not press the CH, TV, POWER ON / OFF key. if you do, the values will not be stored in memory.)
- (5) **[INFORMATION]** key
Return to the SERVICE MODE main manu screen.

■ 3.AUDIO, 6.STATUS and 7.SHIPPING (OFF)

It is not requirement to adjustment.

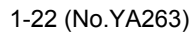
4.7.2.4 MEMORIZE THE ADJUSTMENT DATA

When adjustment is completed, press the **[MENU]** key to memorize the adjustment value. If not to do it, adjustment data is not memorized to the memory IC. And if exit the adjustment mode before memorize the data, the adjustment value which you change is canceled.

4.7.2.5 RELEASE OF SERVICE MODE

After completing the setting, return to the SERVICE MODE, then again press the **[INFORMATION]** key.

1-22 (No.YA263)



4.8 INITIAL SETTING VALUE OF SERVICE MODE

- (1) Adjustment of the SERVICE MODE is made on the basis of the initial setting values. However, the new setting values which displays on the screen in its optimum condition may differ from the initial setting value.
- (2) Do not change the initial setting values of the items not listed in "ADJUSTMENT PROCEDURE".
- (3) "---" is impossible to adjust or not requirement to adjustment.

4.8.1 [2. V/C]

| Setting item | Variable range | Initial setting value | | | |
|--------------|----------------|-----------------------|-------|-----------|-----------|
| | | PAL | SECAM | NTSC 3.58 | NTSC 4.43 |
| 1.RGB BLK | --- | --- | --- | --- | --- |
| 2.CUTOFF R | 0000 - 0255 | 0100 | 0100 | 0100 | 0100 |
| 3.CUTOFF G | 0000 - 0255 | 0132 | 0132 | 0132 | 0132 |
| 4.CUTOFF B | 0000 - 0255 | 0124 | 0124 | 0124 | 0124 |
| 5.WDR R | 0000 - 0255 | 0165 | 0165 | 0165 | 0165 |
| 6.WDR G | 0000 - 0255 | 0135 | 0135 | 0135 | 0135 |
| 7.WDR B | 0000 - 0255 | 0150 | 0150 | 0150 | 0150 |
| 8.BRIGHT | -128 - 0127 | -030 | -030 | -030 | -030 |
| 9.CONT. | 0000 - 0063 | 0040 | 0040 | 0040 | 0040 |
| 10.COLOUR | 0000 - 0063 | 0036 | 0031 | 0025 | [0000] |
| 11.HUE | -064 - 0063 | --- | --- | 0002 | [0000] |

NOTE: [] is fixed values.

| Setting item | Variable range | Initial setting value | | | | | | | |
|--------------|----------------|-----------------------|--------|--------|--------|-----------|--------|-----------|--------|
| | | PAL | | SECAM | | NTSC 3.58 | | NTSC 4.43 | |
| | | TV | EXT | TV | EXT | TV | EXT | TV | EXT |
| 12.SHARP | -015 - 0015 | [-002] | [0000] | [-002] | [0000] | [-002] | [0000] | [-002] | [0000] |

NOTE: [] is fixed values.

| Setting item | Variable range | Initial setting value | | | |
|--------------|----------------|-----------------------|-------|-----------|-----------|
| | | PAL | SECAM | NTSC 3.58 | NTSC 4.43 |
| 13.SC ADJ | 0000 - 0063 | 0018 | --- | --- | --- |

| Setting item | Variable range | Initial setting value | | | | | | | |
|--------------|----------------|-----------------------|-----------|---------|-----------|-----------|-----------|-----------|-----------|
| | | PAL | | SECAM | | NTSC 3.58 | | NTSC 4.43 | |
| | | REGULAR | 14:9 ZOOM | REGULAR | 14:9 ZOOM | REGULAR | 14:9 ZOOM | REGULAR | 14:9 ZOOM |
| 14.SIDE .P.L | 0000 - 1295 | 346 | 296 | 346 | 296 | 351 | 301 | 351 | 301 |
| 15.SIDE .P.R | 0000 - 1295 | 1084 | 1135 | 1084 | 1135 | 1195 | 1147 | 1195 | 1147 |

4.8.2 [3. AUDIO] [Do not adjust]

| Setting item | Variable range | Fixed value |
|----------------|----------------|-------------|
| 1. ERROR LIMIT | 0000H - 0FF0H | 0010H |
| 2. A2 ID THR | 0000H - 00FFH | 0019H |
| 3. Q-PEAK | --- | --- |
| 4. SOUND LEVEL | --- | --- |

4.8.3 [4. DEFLECTION] [28V MODEL]

| Setting item | Variable range | Initial setting value | | | | | |
|--------------|----------------|-----------------------|---------|-----------|---------|----------|---------|
| | | FULL | | PANORAMIC | | SUBTITLE | |
| | | 100Hz i | 120Hz i | 100Hz i | 120Hz i | 100Hz i | 120Hz i |
| 1. V-SHIFT | -032 - 0031 | 0 | 0 | 0 | 0 | 5 | 0 |
| 2. V-SIZE | -064 - 0063 | -33 | 0 | 5 | 0 | 20 | 0 |
| 3. H-CENT | -128 - 0127 | -14 | 0 | 0 | 0 | 0 | 0 |
| 4. H-SIZE | -128 - 0127 | 20 | 0 | 0 | 0 | 0 | 0 |
| 5. TRAPEZ | -064 - 0064 | -5 | 0 | 0 | 0 | 5 | 0 |
| 6. EW-PIN | -128 - 0127 | -40 | 0 | 0 | 0 | 0 | 0 |
| 7. COR-UP | -064 - 0064 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8. COR-LO | -064 - 0064 | 0 | 0 | 0 | 0 | 5 | 0 |
| 9. COR-UP-S | -064 - 0064 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10. COR-LO-S | -064 - 0064 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11.ANGLE | -128 - 0127 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12.BOW | -128 - 0127 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13.V-S.CR | -064 - 0063 | 5 | 0 | [5] | [0] | [8] | [0] |
| 14.V-LIN | -064 - 0063 | 0 | 0 | [-3] | [0] | [-8] | [0] |

NOTE: [] is fixed values.

4.8.4 [4. DEFLECTION] [32V MODEL]

| Setting item | Variable range | Initial setting value | | | | | |
|--------------|----------------|-----------------------|---------|-----------|---------|----------|---------|
| | | FULL | | PANORAMIC | | SUBTITLE | |
| | | 100Hz i | 120Hz i | 100Hz i | 120Hz i | 100Hz i | 120Hz i |
| 1. V-SHIFT | -032 - 0031 | 0 | 0 | 0 | 0 | 5 | 0 |
| 2. V-SIZE | -064 - 0063 | 40 | 0 | 5 | 0 | 20 | 0 |
| 3. H-CENT | -128 - 0127 | -14 | 0 | 0 | 0 | 0 | 0 |
| 4. H-SIZE | -128 - 0127 | 14 | 0 | 0 | 0 | 0 | 0 |
| 5. TRAPEZ | -064 - 0064 | -5 | 0 | 0 | 0 | 5 | 0 |
| 6. EW-PIN | -128 - 0127 | -35 | 0 | 0 | 0 | 0 | 0 |
| 7. COR-UP | -064 - 0064 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8. COR-LO | -064 - 0064 | 0 | 0 | 0 | 0 | 5 | 0 |
| 9. COR-UP-S | -064 - 0064 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10. COR-LO-S | -064 - 0064 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11.ANGLE | -128 - 0127 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12.BOW | -128 - 0127 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13.V-S.CR | -064 - 0063 | 3 | 0 | [5] | [0] | [8] | [0] |
| 14.V-LIN | -064 - 0063 | 0 | 0 | [0] | [0] | [-8] | [0] |

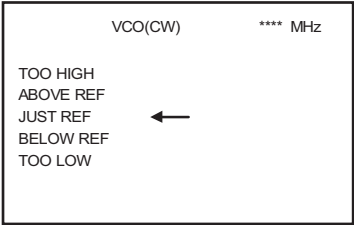
NOTE: [] is fixed values.

4.8.5 [5. VSM PRESET]

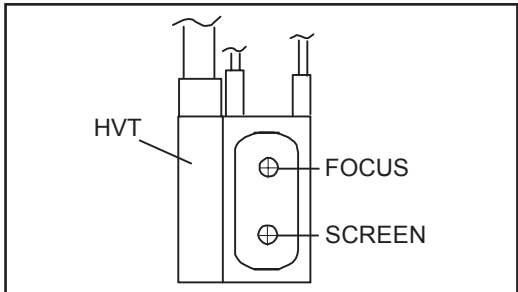
| Item | Variable range | Setting value | | | | | |
|----------|----------------|---------------|----------|------|--------------|--------|------|
| | | PICTURE MODE | | | COLOUR TEMP. | | |
| | | BRIGHT | STANDARD | SOFT | COOL | NORMAL | WARM |
| 1.BRIGHT | -16 - +16 | 0 | 0 | 0 | --- | --- | --- |
| 2.CONT | -16 - +16 | +7 | 0 | -3 | --- | --- | --- |
| 3.COLOUR | -16 - +16 | 0 | 0 | 0 | --- | --- | --- |
| 4.SHARP | -16 - +16 | 0 | 0 | -2 | --- | --- | --- |
| 5.HUE | -16 - +16 | 0 | 0 | 0 | --- | --- | --- |
| 1.WDR R | -64 - +63 | --- | --- | --- | -15 | 0 | +4 |
| 2.WDR G | -64 - +63 | --- | --- | --- | -9 | 0 | 0 |
| 3.WDR B | -64 - +63 | --- | --- | --- | 0 | 0 | 0 |

4.9 ADJUSTMENT PROCEDURE

4.9.1 CHECK ITEM

| Item | Measuring instrument | Test point | Adjustment part | Description |
|---|---|--|----------------------|---|
| B1 VOLTAGE | DC voltmeter Remote control unit | X connector 1-pin:TP-91(B1) 5-pin:TP-E [POWER & DEF PWB] | [2.V/C] 1.RGB BLK | (1) Receive the any broadcast. (2) Select 2. V/C from the SERVICE MODE. (3) Select < 1. RGB BLK > . (4) Press the [FUNCTION ▶] key to find the cut off screen (Black screen). (5) Connect a DC voltmeter to 1-pin and 5-pin of X connector. (6) Make sure that the voltage is DC139V ± 2.0V . (7) Press the [FUNCTION ◀] key to return to SERVICE MODE. |
| HIGH VOLTAGE | HV voltmeter Remote control unit | CRT anode Chassis GND | [2.V/C] 1.RGB BLK | (1) Receive the any broadcast. (2) Select 2. V/C from the SERVICE MODE. (3) Select < 1. RGB BLK > . (4) Press the [FUNCTION ▶] key to find the cut off screen (Black screen). (5) Connect the HV voltmeter to CRT ANODE and chassis GND. (Ground side is connected previously) (6) Make sure that the voltage is DC 31.0kV (+1kV/-1.5kV) . (7) Press the [FUNCTION ◀] key to return to SERVICE MODE. NOTE: Remove the probe before removing the earth clip. |
| IF VCO | Remote control unit | | [1.IF] 1.VCO | • Under normal conditions, no adjustment is required. • It must not adjust without broadcast signal. (1) Receive the any broadcast. (2) Select 1.IF from the SERVICE MODE. (3) Check the "←" position between the ABOVE REF. and BELOW REF. |
|  | | | | |

4.9.2 FOCUS

| Item | Measuring instrument | Test point | Adjustment part | Description |
|--------------|----------------------|------------|-----------------------------|--|
| FOCUS | Signal generator | | FOCUS VR [In HVT] | (1) Receive the crosshatch signal. (2) Set the ZOOM mode to FULL. (3) While looking at the screen, adjust the FOCUS VR to the vertical and horizontal lines will be clear and infine detail. (4) Make sure that the picture is in focus even when the screen gets darkened.  |

4.9.3 DEFLECTION CIRCUIT

There are 3 aspect modes (1.**FULL**, 2.**PANORAMIC**, 3.**SUBTITLE**) of the adjustment.

Depending upon the kind of signals (Vertical frequency 100Hz i / 120Hz i).

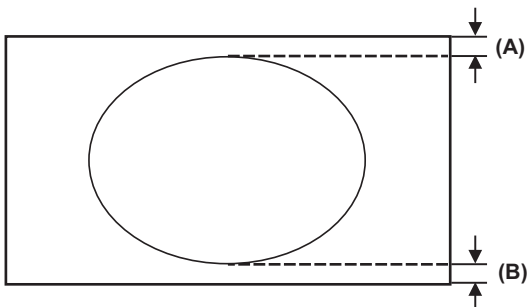
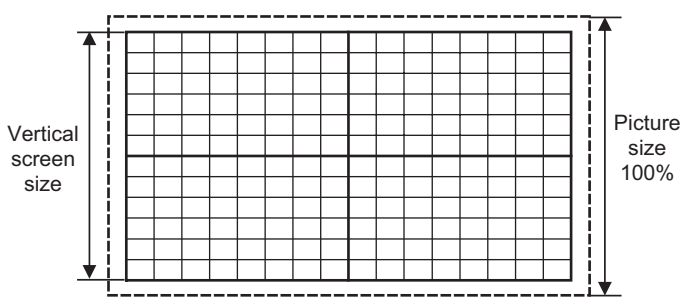
100Hz i is a signal that is output to a screen when a 50Hz signal is input to a television set. It is an interlace-scanned picture of 100Hz.

120Hz i is a signal that is output to a screen when a 60Hz signal is input to a television set. It is an interlace-scanned picture of 120Hz.

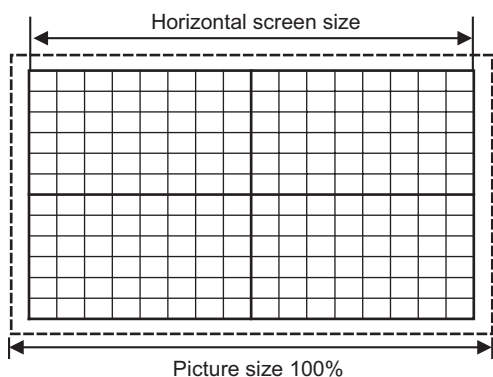
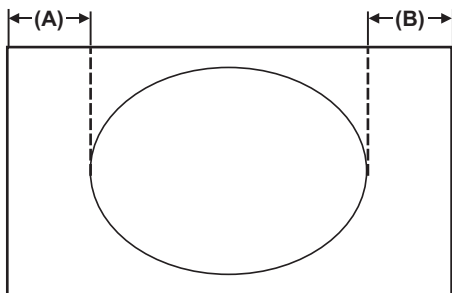
- When the 100Hz FULL mode has been established, the setting of other modes will be done automatically. However, if the picture quality has not been optimized, adjust each mode again, respectively.
- The adjustment using the remote control unit is made on the basis of the initial setting values.
- The setting values which adjust the screen to the optimum condition can be different from the initial setting values.
- To switch aspect modes, use the [ZOOM] key of the remote controller.

NOTE :

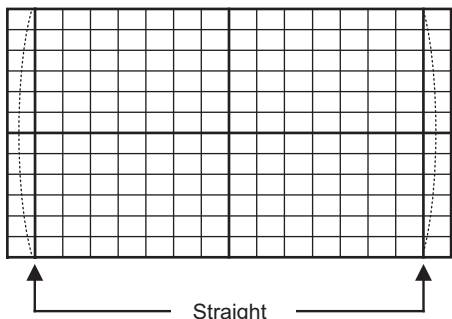
- Do not adjust PANORAMIC & SUBTITLE mode.
- At first the adjustment in 100Hz FULL mode should be done, then the data for the other aspect mode is corrected in the respective value at the same time. And confirm the deflection adjustment initial setting value in 60Hz (NTSC EXT mode) FULL mode. If the adjustment in 100Hz each aspect mode has been done and stored, the data for the same aspect modes in 60Hz is corrected in the respective value. Only the data for the other aspect mode in 60Hz is corrected for itself.

| Item | Measuring instrument | Test point | Adjustment part | Description | | | | | | | | | | | | |
|---|----------------------|------------|-----------------------|--|-------------|------|-----------|----------|------------|-----|-----|-----|---------------|-----|-----|-----|
| V. POSITION | Signal generator | | [4.DEF] 1.V- SHIFT | <div>(1) Receive the circle pattern signal of vertical frequency 50Hz (PAL).</div> <div>(2) Set the ZOOM mode to FULL.</div> <div>(3) Select 4.DEF from the SERVICE MODE.</div> <div>(4) Set the initial setting value of < 1.V-SHIFT >.</div> <div>(5) Adjust vertical position to make A = B.</div> <div>(6) Check the adjustment value above in other zoom mode. If it is a wrong adjustment, readjust in FULL mode and adjust by < 1.V-SHIFT >.</div> <div>(7) Press the [MENU] key to memorize the set value.</div> | | | | | | | | | | | | |
| | Remote control unit | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | |
| V. SIZE | Signal generator | | [4.DEF] 2.V-SIZE | <div>(1) Receive the cross hatch signal.</div> <div>(2) Set the ZOOM mode to FULL.</div> <div>(3) Select 4.DEF from the SERVICE MODE.</div> <div>(4) Set the initial setting value of < 2.V-SIZE >.</div> <div>(5) Adjust to make sure that the vertical screen size of the picture size is in the bellow table.</div> <div>(6) Make sure that the vertical screen size of the each ASPECT mode is in the below table.</div> <div>(7) Press the [MENU] key to memorize the set value.</div> <div>(8) Input a NTSC VIDEO signal (60Hz) from the EXT terminal, and make sure that the vertical screen size is in the table below.</div> | | | | | | | | | | | | |
| | Remote control unit | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | |
| <table><tr><th>ASPECT MODE</th><th>FULL</th><th>PANORAMIC</th><th>SUBTITLE</th></tr><tr><td>SCREEN TOP</td><td>93%</td><td>87%</td><td>70%</td></tr><tr><td>SCREEN BOTTOM</td><td>93%</td><td>87%</td><td>83%</td></tr></table> | | | | | ASPECT MODE | FULL | PANORAMIC | SUBTITLE | SCREEN TOP | 93% | 87% | 70% | SCREEN BOTTOM | 93% | 87% | 83% |
| ASPECT MODE | FULL | PANORAMIC | SUBTITLE | | | | | | | | | | | | | |
| SCREEN TOP | 93% | 87% | 70% | | | | | | | | | | | | | |
| SCREEN BOTTOM | 93% | 87% | 83% | | | | | | | | | | | | | |

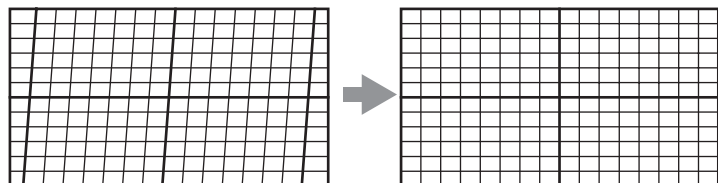
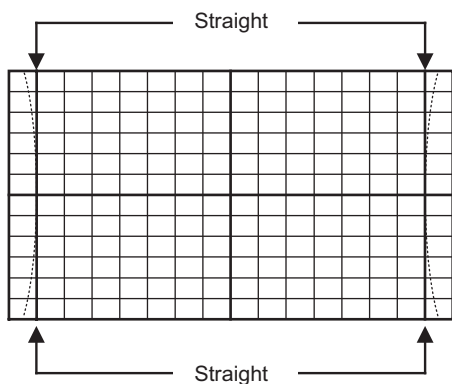
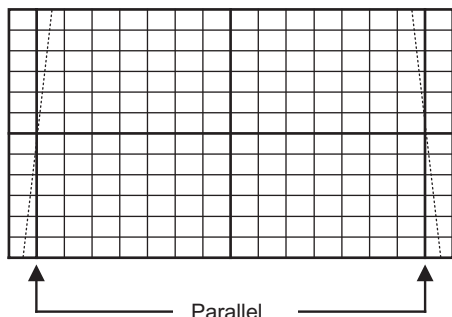
| Item | Measuring instrument | Test point | Adjustment part | Description |
|-------------|----------------------|------------|---------------------|--|
| H. POSITION | Signal generator | | [4.DEF] 3.H-CENT | (1) Receive the circle pattern signal. (2) Set the ZOOM mode to FULL. (3) Select 4.DEF from the SERVICE MODE. (4) Set the initial setting value of < 3.H-CENT > . (5) Adjust horizontal position to make A=B . (6) Press the [MENU] key to memorize the set value. |
| | Remote control unit | | | |
| H. SIZE | Signal generator | | [4.DEF] 4.H-SIZE | (1) Receive the cross hatch signal. (2) Set the ZOOM mode to FULL. (3) Select 4.DEF from the SERVICE MODE. (4) Set the initial setting value of < 4.H-SIZE > . (5) Adjust to make sure that the horizontal screen size of the picture size is in the bellow table. (6) Make sure that the horizontal screen size of the each ASPECT mode is in the below table. (7) Press the [MENU] key to memorize the set value. (8) Input a NTSC VIDEO signal (60Hz) from the EXT terminal, and make sure that the horizontal screen size is in the table below. |
| | Remote control unit | | | |
| SIDE-PIN | Signal generator | | [4.DEF] 6.EW-PIN | (1) Receive the cross hatch signal. (2) Set the ZOOM mode to FULL. (3) Select 4.DEF from the SERVICE MODE. (4) Set the initial setting value of < 6.EW-PIN > . (5) Adjust to make the vertical lines at the right and left edges of the screen straight. Also make sure that the 3rd vertical lines are straight. (6) Press the [MENU] key to memorize the set value. |
| | Remote control unit | | | |

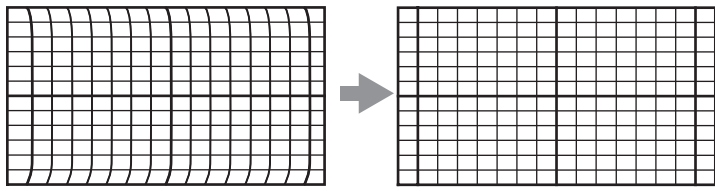
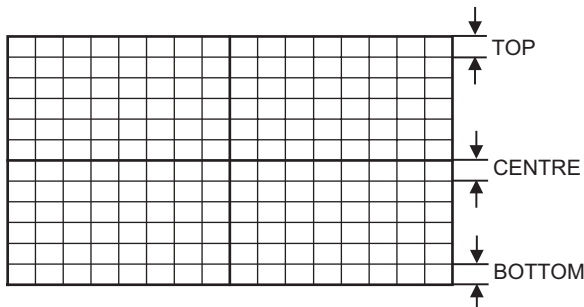


| ASPECT MODE | FULL | PANORAMIC | SUBTITLE |
|-------------|------|-----------|----------|
| SCREEN SIZE | 92% | 95% | 92% |



| Item | Measuring instrument | Test point | Adjustment part | Description |
|------------------|----------------------|------------|--|---|
| TRAPEZIUM | Signal generator | | [4.DEF] 5.TRAPEZ | (1) Receive the cross hatch signal. (2) Set the ZOOM mode to FULL. (3) Select 4.DEF from the SERVICE MODE. (4) Set the initial setting value of < 5.TRAPEZ > . (5) Adjust to bring the vertical lines at the right and left edges of the screen parallel. (6) Press the [MENU] key to memorize the set value. |
| | Remote control unit | | | |
| CORNER | Signal generator | | [4.DEF] 7.COR-UP 8.COR-LO 9.COR-US-S 10.COR-LO-S | (1) Receive the cross hatch signal. (2) Set the ZOOM mode to FULL. (3) Select 4.DEF from the SERVICE MODE. (4) Set the initial setting value of < 7.COR-UP > . (5) Adjust to bring the straight line at the upper corner. (6) Set the initial setting value of < 8.COR-LO > . (7) Adjust to bring the straight line at the lower corner. (8) Press the [MENU] key to memorize the set value. (9) If the extreame upper & lower corners are a little pin or barrel chose < 9.COR-UP-S > or < 10. COR-LO-S > and adjust. (10) Press the [MENU] key to memorize the set value. |
| | Remote control unit | | | |
| ANGLE | Signal generator | | [4.DEF] 11. ANGLE | • In case where there is a parallelogrammical distortion of images on the screen. (1) Receive the cross hatch signal. (2) Set the ZOOM mode to FULL. (3) Select 4.DEF from the SERVICE MODE. (4) Set the initial setting value of < 11. ANGLE > . (5) Adjust to bring the vertical lines straight. (6) Press the [MENU] key to memorize the set value. |
| | Remote control unit | | | |

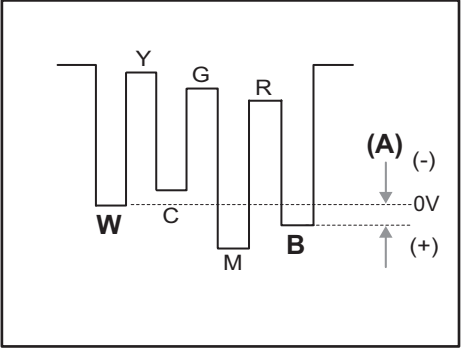


| Item | Measuring instrument | Test point | Adjustment part | Description |
|--|---|------------|----------------------------------|---|
| BOW | Signal generator Remote control unit | | [4.DEF] 12.BOW | <ul style="list-style-type: none"> In case where there is a bow-shaped distortion of images on the screen. <ol style="list-style-type: none"> (1) Receive the cross hatch signal. (2) Set the ZOOM mode to FULL. (3) Select 4.DEF from the SERVICE MODE. (4) Set the initial setting value of < 12. BOW >. (5) Adjust to bring the vertical lines straight. (6) Press the [MENU] key to memorize the set value. |
|  | | | | |
| V. S-SHAPE CORRECTION & V. LINEARITY | Signal generator Remote control unit | | [4.DEF] 13.V-S.CR 14.V-LIN | <ul style="list-style-type: none"> When the vertical linearity has been deteriorated remarkably, perform the following steps. <ol style="list-style-type: none"> (1) Receive the cross hatch signal. (2) Set the ZOOM mode to FULL. (3) Select 4.DEF from the SERVICE MODE. (4) Set the initial setting value of < 13.V-S.CR >. (5) Set the initial setting value of < 14.V-LIN >. (6) Adjust < 13.V-S.CR > and < 14.V-LIN > so that the spaces of each line on top, centre and bottom become uniform. (7) Press the [MENU] key to memorize the set value. |
|  | | | | |

4.9.4 VIDEO CIRCUIT

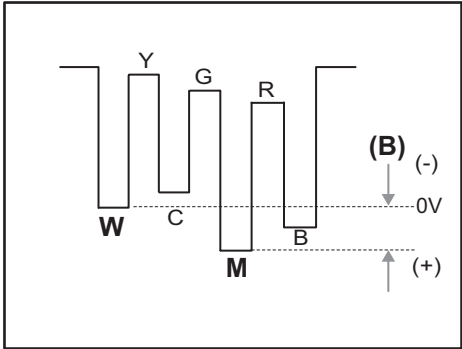
| Item | Measuring instrument | Test point | Adjustment part | Description |
|---|---|------------|--|---|
| WHITE BALANCE | Signal generator Remote control unit | | [2. V/C] 2.CUTOFF R 3.CUTOFF G 4.CUTOFF B 5.WDR R 6.WDR G | (1) Receive a black and white signal (colour off). (2) Set the ZOOM mode to FULL. (3) Set the PICTURE MODE to STANDARD. (4) Set the COLOUR TEMP to NORMAL. (5) Select 2.V/C from the SERVICE MODE. (6) Each select 2.CUTOFF R , 3.CUTOFF G , 4.CUTOFF B and adjust the screen until the black portion in the screen becomes black. (7) Each select 5.WDR R , 6.WDR G and adjust the screen until the white portion in the screen becomes white. NOTE: Do not adjust 7. WDR B (8) Press the [MENU] key to memorize the set value. (9) Change the contrast and brightness from low-light to high-light and check that the tracking of the white balance is good. |
| <div style="text-align: center;"> REMOTE CONTROL UNIT KEY </div> | | | | |
| SUB BRIGHT | Remote control unit | | [2. V/C] 8. BRIGHT | (1) Receive the any broadcast. (2) Set the ZOOM mode to FULL. (3) Set the PICTURE mode to STANDARD. (4) Select 2.V/C from the SERVICE MODE. (5) Set the initial setting value of < 8.BRIGHT > . (6) If the brightness is not the best with the initial setting value, make fine adjustment until you get the best brightness. (7) Press the [MENU] key to memorize the set value. |
| SUB CONTRAST | Remote control unit | | [2. V/C] 9. CONT. | (1) Receive the any broadcast. (2) Set the ZOOM mode to FULL. (3) Set the PICTURE mode to STANDARD. (4) Select 2.V/C from the SERVICE MODE. (5) Set the initial setting value of < 9.CONTRAST > . (6) If the contrast is not the best with the initial setting value, make fine adjustment until you get the best contrast. (7) Press the [MENU] key to memorize the set value. |

| Item | Measuring instrument | Test point | Adjustment part | Description |
|------------|---|---|----------------------|---|
| SUB COLOUR | Signal generator Remote control unit | | [2.V/C] 10.COLOUR | Method of adjustment without measuring instrument PAL COLOUR (1) Receive PAL broadcast. (2) Set the ZOOM mode to FULL. (3) Set the PICTURE mode to STANDARD. (4) Select 2.V/C from the SERVICE MODE. (5) Set the initial setting value of < 10.COLOUR > . (6) If the colour is not the best with the initial set value, make fine adjustment until you get the best colour. (7) Press the [MENU] key to memorize the set value. SECAM COLOUR [Except AV-28H5SK, AV28H5SR, AV-32H5SK, AV-32H5SR] (1) Receive the SECAM broadcast. (2) Follow the same step 2 to 7 as in PAL COLOUR. NTSC 3.58 COLOUR (1) Input the NTSC 3.58MHz signal from the EXT terminal. (2) Follow the same step 2 to 7 as in PAL COLOUR. NTSC 4.43 COLOUR (1) When NTSC 3.58 COLOUR set, NTSC 4.43 COLOUR will automatically set. |
| | Signal generator Oscilloscope Remote control unit | TP-47B TP-E [CRT SOCKET PWB] | [2.V/C] 10.COLOUR | Method of adjustment using measuring instrument PAL COLOUR (1) Receive the PAL full field colour bar signal (75% white). (2) Set the ZOOM mode to FULL. (3) Set the PICTURE mode to STANDARD. (4) Select 2.V/C from the SERVICE MODE. (5) Set the initial setting value of <10.COLOUR > . (6) Connect the oscilloscope between TP-47B and TP-E. (7) Adjust < 10. COLOUR > and bring the value of (A) in the illustration into the value shown in the table. (8) Press the [MENU] key to memorize the set value. SECAM COLOUR [Except AV-28H5SK, AV28H5SR, AV-32H5SK, AV-32H5SR] (1) Receive the SECAM colour bar signal (75% white). (2) Follow the same step 2 to 8 as in PAL COLOUR. NTSC 3.58 COLOUR (1) Input the NTSC 3.58MHz signal (full field colour bar with 75% white) from the EXT terminal. (2) Follow the same step 2 to 8 as in PAL COLOUR. NTSC 4.43 COLOUR (1) When NTSC 3.58 COLOUR set, NTSC 4.43 COLOUR will automatically set. |



| Setting item | Adjustment value | | | |
|----------------------|------------------------|--------|-------|------|
| | PAL | | SECAM | NTSC |
| | AV-28H5SK AV-32H5SK | others | | |
| VOLTAGE (W-B) | +3V | +11V | +7V | +7V |

| Item | Measuring instrument | Test point | Adjustment part | Description |
|---------|---|---|-------------------|---|
| SUB HUE | Signal generator Remote control unit | | [2.V/C] 11.HUE | Method of adjustment without measuring instrument NTSC 3.58 HUE (1) Input the NTSC 3.58MHz COMPOSITE VIDEO signal (full field colour bar with 75% white) from the EXT terminal. (2) Set the ZOOM mode to FULL. (3) Set the PICTURE mode to STANDARD. (4) Select 2.V/C from the SERVICE MODE. (5) Set the initial setting value of < 11. HUE > . (6) If you cannot get the best hue with the initial setting value, make fine adjustment until you get the best hue. (7) Press the [MENU] key to memorize the set value. NTSC 4.43 HUE (1) When NTSC 3.58 HUE is set, NTSC 4.43 HUE will be automatically set at the respective values. |
| | Signal generator Oscilloscope Remote control unit | TP-47B TP-E [CRT SOCKET PWB] | [2.V/C] 11.HUE | Method of adjustment using measuring instrument NTSC 3.58 HUE (1) Input the NTSC 3.58MHz signal (full field colour bar with 75% white) from the EXT terminal. (2) Set the ZOOM mode to FULL. (3) Set the PICTURE mode to STANDARD. (4) Select 2.V/C from the SERVICE MODE. (5) Set the initial setting value of < 11. HUE > . (6) Connect the oscilloscope between TP-47B and TP-E. (7) Adjust < 11. HUE > and bring the value of (B) in the illustration into the value shown in the table. (8) Press the [MENU] key to memorize the set value. NTSC 4.43 HUE (1) When NTSC 3.58 HUE set, NTSC 4.43 HUE will automatically set. |



| Setting item | Adjustment value |
|---------------|------------------|
| VOLTAGE (W-M) | -7V |

4.9.5 VSM PRESET SETTING

| Item | Measuring instrument | Test point | Adjustment part | Description |
|-------------------|----------------------|------------|--|--|
| VSM PRESET | Remote control unit | | [5. VSM PRESET] 1. BRIGHT 2. CONT 3. COLOUR 4. SHARP 5. HUE 1. WDR R 2. WDR G 3. WDR B | (1) Select 5. VSM PRESET from the SERVICE MODE. (2) Set the PICTURE MODE to BRIGHT. (3) Select < 1.BRIGHT >. (4) Set the initial setting value of PICTURE MODE, as shown in the below table. (5) Press the [MENU] key to memorize the set value. (6) Select < 2.CONT > to < 5.HUE > in turn, and set the values. (7) Respectively select the "SOFT" and "STANDARD". Make similar adjustment as same step as above. (8) Set the COLOUR TEMP to COOL. (9) Select < 1.WDR R >. (10) Set the initial setting value of COLOUR TEMP., as shown in the below table. (11) Press the [MENU] key to memorize the set value. (12) Select < 2.WDR G > and < 3.WDR B > in turn, and set values. (13) Respectively select the "WARM" and "NORMAL". Make similar adjustment as same step as above. |

■ VSM PRESET TABALE

| Item | Variable range | Setting value | | | | | |
|----------|----------------|---------------|----------|------|--------------|--------|------|
| | | PICTURE MODE | | | COLOUR TEMP. | | |
| | | BRIGHT | STANDARD | SOFT | COOL | NORMAL | WARM |
| 1.BRIGHT | -16 - +16 | 0 | 0 | 0 | --- | --- | --- |
| 2.CONT | -16 - +16 | +7 | 0 | -3 | --- | --- | --- |
| 3.COLOUR | -16 - +16 | 0 | 0 | 0 | --- | --- | --- |
| 4.SHARP | -16 - +16 | 0 | 0 | -2 | --- | --- | --- |
| 5.HUE | -16 - +16 | 0 | 0 | 0 | --- | --- | --- |
| 1.WDR R | -64 - +63 | --- | --- | --- | -15 | 0 | +4 |
| 2.WDR G | -64 - +63 | --- | --- | --- | -9 | 0 | 0 |
| 3.WDR B | -64 - +63 | --- | --- | --- | 0 | 0 | 0 |

SECTION 5 TROUBLESHOOTING

5.1 SELF CHECK FUNCTIONS

5.1.1 OUTLINE

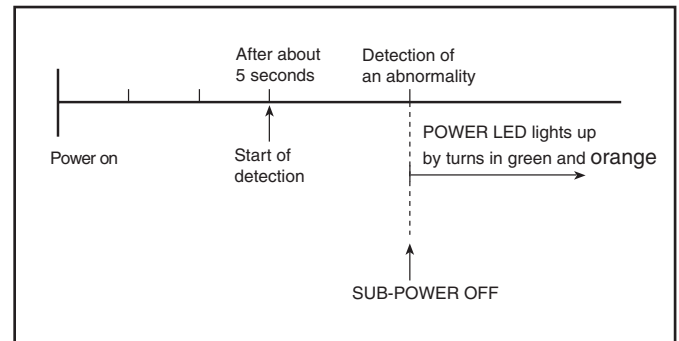
These models have self-check functions given below. When an abnormality has been detected, the SUB POWER is turned off and POWER LED lights up by turns in green and orange. An abnormality is detected by the signal input state of the control line connected to the microcomputer.

5.1.2 SELF CHECK ITEMS

| Check item | Details of detection | Method of detection | State of abnormality |
|----------------------------|---|--|--|
| Low B short protection | A short on the low B (12V, 9V, 5V, 3.3V, 2.5V) line is detected. | The protect port on the microcomputer (11pin) is always monitored at 150msec intervals. If an abnormality is detected nine time successively, it is judged that there is an abnormality. | When an abnormality has detected, the SUB POWER is turned off and POWER LED lights up by turns in green and orange. While the SUB POWER is being turned off, the POWER key on the remote control unit is not operational until the power cord is taken out and put in again. |
| CRT neck broken protection | Operation of CRT neck broken protection circuit. (Vertical amplitude is detected.) | DITTO | DITTO |

5.1.3 SELF CHECK INDICATING FUNCTION

When an abnormality has been detected at about 5 seconds after the power is turned on, the SUB POWER is turned off immediately and the POWER LED lights up by turns in green and orange.





Victor Company of Japan, Limited
AV & MULTIMEDIA COMPANY DISPLAY CATEGORY 12, 3-chome, Moriya-cho, Kanagawa-ku, Yokohama-city, Kanagawa-prefecture, 221-8528, Japan

(No.YA263)



Printed in Japan
VPT

JVC

SCHEMATIC DIAGRAMS

COLOUR TELEVISION

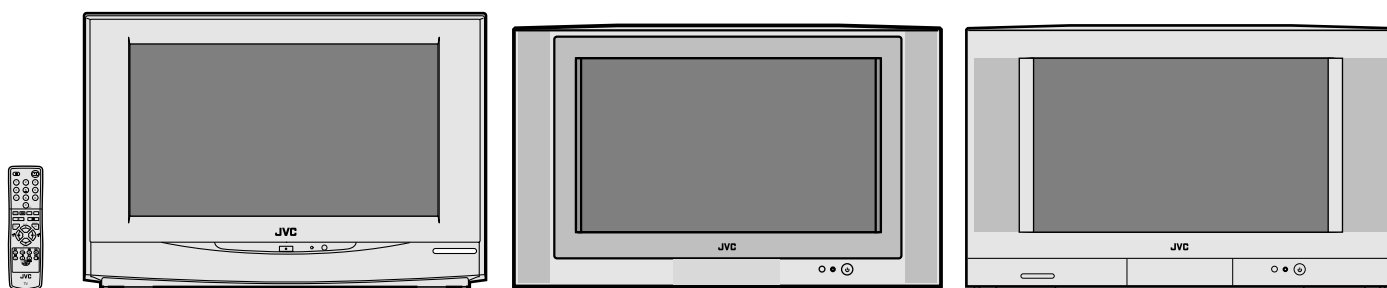
**AV-28H5BU, AV-28H5BL, AV-28H5SK,
AV-28H5SL, AV28H5SR, AV-28H5SU,
AV-28H50SU, AV-32H5BU, AV-32H5SK,
AV-32H5SR, AV-32H5SU, AV-32H50SU,
AV-32H57SU**

CD-ROM No.SML200504

BASIC CHASSIS

ML3

T-V LINK



**AV-28H5BU, AV-28H5BL
AV-28H5SK, AV-28H5SL
AV-28H5SR, AV-28H5SU
AV-32H5BU, AV-32H5SK
AV-32H5SR, AV-32H5SU**

AV-28H50SU, AV-32H50SU

AV-32H57SU

AV-28H5BU, AV-28H5BL, AV-28H5SK, AV-28H5SL, AV28H5SR, AV-28H5SU, AV-28H50SU, AV-32H5BU, AV-32H5SK, AV-32H5SR, AV-32H5SU, AV-32H50SU, AV-32H57SU

STANDARD CIRCUIT DIAGRAM

■ NOTE ON USING CIRCUIT DIAGRAMS

1.SAFETY

The components identified by the \triangle symbol and shading are critical for safety. For continued safety replace safety critical components only with manufactures recommended parts.

2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

- (1)Input signal : Colour bar signal
- (2)Setting positions of each knob/button and variable resistor : Original setting position when shipped
- (3)Internal resistance of tester : DC 20k Ω /V
- (4)Oscilloscope sweeping time : H \Rightarrow 20 μ s / div
: V \Rightarrow 5ms / div
: Others \Rightarrow Sweeping time is specified
- (5)Voltage values : All DC voltage values

* Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

3.INDICATION OF PARTS SYMBOL [EXAMPLE]

- In the PW board : R209 \rightarrow R209

4.INDICATIONS ON THE CIRCUIT DIAGRAM

(1)Resistors

● Resistance value

- No unit : [Ω]
- K : [k Ω]
- M : [M Ω]

● Rated allowable power

- No indication : 1/16 [W]
- Others : As specified

● Type

- No indication : Carbon resistor
- OMR : Oxide metal film resistor
- MFR : Metal film resistor
- MPR : Metal plate resistor
- UNFR : Uninflamable resistor
- FR : Fusible resistor

* Composition resistor 1/2 [W] is specified as 1/2S or Comp.

(2)Capacitors

● Capacitance value

- 1 or higher : [pF]
- less than 1 : [μ F]

● Withstand voltage

- No indication : DC50[V]
- Others : DC withstand voltage [V]
- AC indicated : AC withstand voltage [V]

* Electrolytic Capacitors

47/50[Example]: Capacitance value [μ F]/withstand voltage[V]

●Type

- No indication : Ceramic capacitor
- MM : Metalized mylar capacitor
- PP : Polypropylene capacitor
- MPP : Metalized polypropylene capacitor
- MF : Metalized film capacitor
- TF : Thin film capacitor
- BP : Bipolar electrolytic capacitor
- TAN : Tantalum capacitor

(3)Coils

- No unit : [μ H]
- Others : As specified

(4)Power Supply



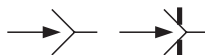
-  : B1
-  : B2 (12V)
-  : 9V
-  : 5V

* Respective voltage values are indicated





(5)Test point

-  : Test point
-  : Only test point display



(6)Connecting method

-  : Connector
-  : Wrapping or soldering
-  : Receptacle

(7)Ground symbol

-  : LIVE side ground
-  : ISOLATED(NEUTRAL) side ground
-  : EARTH ground
-  : DIGITAL ground

5.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : () side GND and the ISOLATED(NEUTRAL) : () side GND. Therefore, care must be taken for the following points.

- (1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. if the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.
- (2)Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus measure with a measuring apparatus (oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time. If the above precaution is not respected, a fuse or any parts will be broken.

◆ Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.

NOTE

◆ Due improvement in performance, some part numbers show in the circuit diagram may not agree with those indicated in the part list.

When ordering parts, please use the numbers that appear in the Parts List.

(No.YA263)2-1

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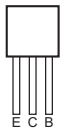
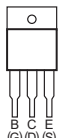
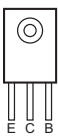
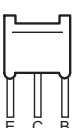
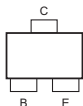
USING P.W. BOARD

| P.W.B ASS'Y name | AV-28H5BU | AV-28H5BL | AV-28H5SK | AV-28H5SL | AV-28H5SR | AV-28H5SU | AV-28H50SU |
|---------------------------|--------------|-----------|--------------|--------------|--------------|--------------|--------------|
| MAIN P.W.B BOARD | SML-1302A-U2 | ← | SML-1932A-U2 | SML-1302A-U2 | ← | ← | ← |
| POWER & DEF P.W.B BOARD | SML-2302A-S2 | ← | ← | ← | SML-2302A-U2 | SML-2302A-S2 | ← |
| CRT SOCKET P.W.B BOARD | SML-3302A-U2 | ← | ← | ← | ← | ← | ← |
| SIDE CONTROL P.W.B BOARD | SML-8131A-U2 | ← | ← | ← | ← | ← | SML-8133A-U2 |
| FRONT CONTROL P.W.B BOARD | SML-8301A-U2 | ← | ← | ← | ← | ← | SML-8302A-U2 |
| AV JACK P.W.B BOARD | SML0J301A-U2 | ← | ← | ← | ← | ← | ← |
| 100HZ P.W.B BOARD | SML0Z301A-U2 | ← | ← | ← | ← | ← | ← |


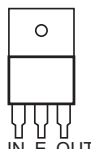
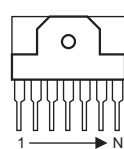
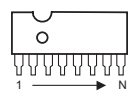
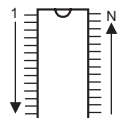
| P.W.B ASS'Y name | AV-32H5BU | AV-32H5SK | AV-32H5SR | AV-32H5SU | AV-32H50SU | AV-32H57SU |
|---------------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| MAIN P.W.B BOARD | SML-1301A-U2 | SML-1931A-U2 | SML-1301A-U2 | ← | ← | ← |
| POWER & DEF P.W.B BOARD | SML-2301A-S2 | ← | SML-2301A-U2 | SML-2301A-S2 | ← | SML-2301A-U2 |
| CRT SOCKET P.W.B BOARD | SML-3301A-U2 | ← | ← | ← | ← | ← |
| SIDE CONTROL P.W.B BOARD | SML-8131A-U2 | ← | ← | ← | SML-8133A-U2 | ← |
| FRONT CONTROL P.W.B BOARD | SML-8301A-U2 | ← | ← | ← | SML-8302A-U2 | ← |
| AV JACK P.W.B BOARD | SML0J301A-U2 | ← | ← | ← | ← | ← |
| 100HZ P.W.B BOARD | SML0Z301A-U2 | ← | ← | ← | ← | ← |

SEMICONDUCTOR SHAPES

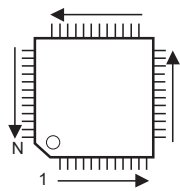
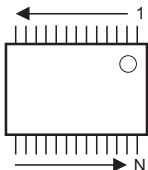
TRANSISTOR

| BOTTOM VIEW | FRONT VIEW | | | | TOP VIEW |
|---|---|---|---|---|--|
|  |  |  |  |  | CHIP TR  |

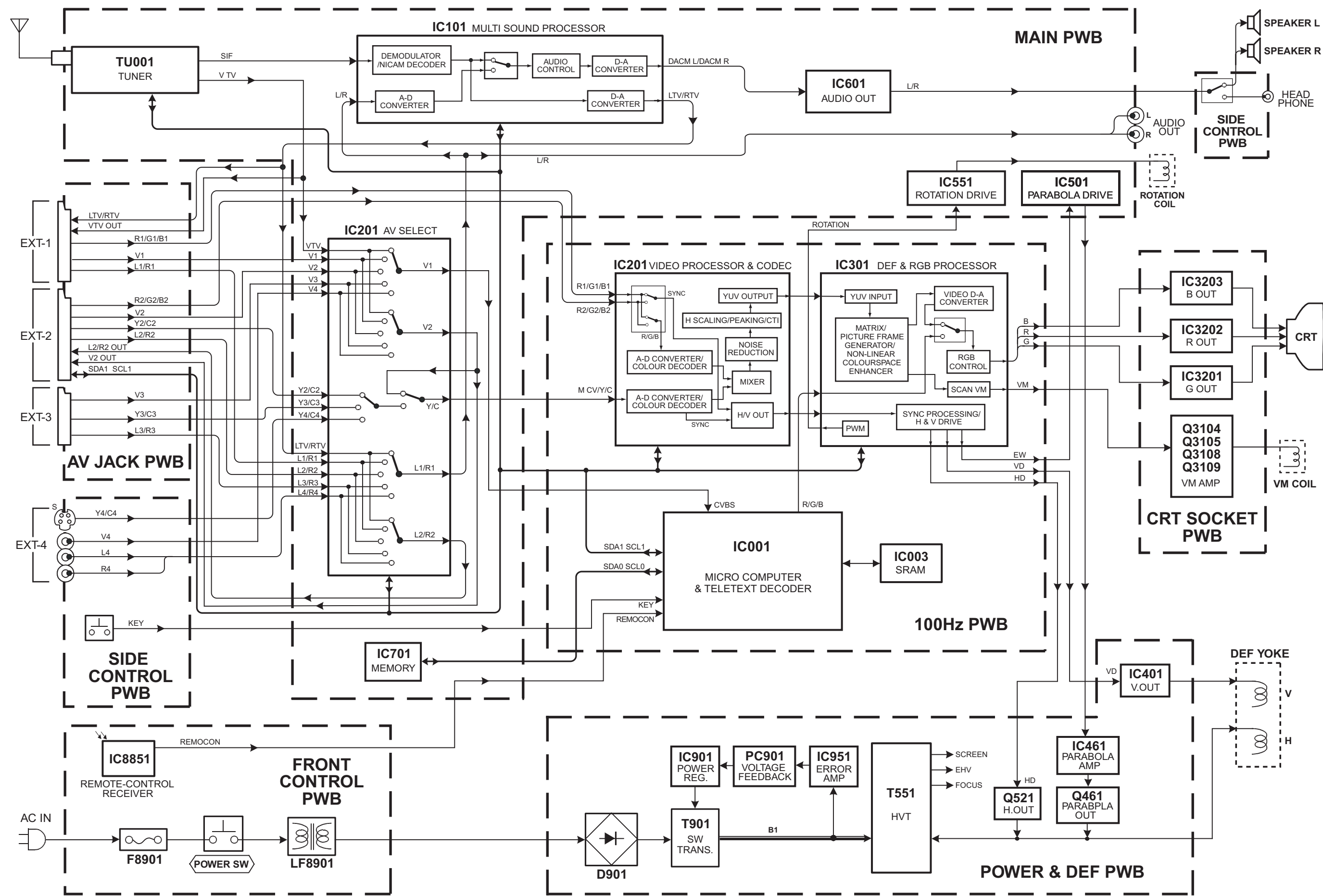
IC

| BOTTOM VIEW | FRONT VIEW | | | TOP VIEW |
|---|---|---|--|---|
|  |  |  |  |  |

CHIP IC

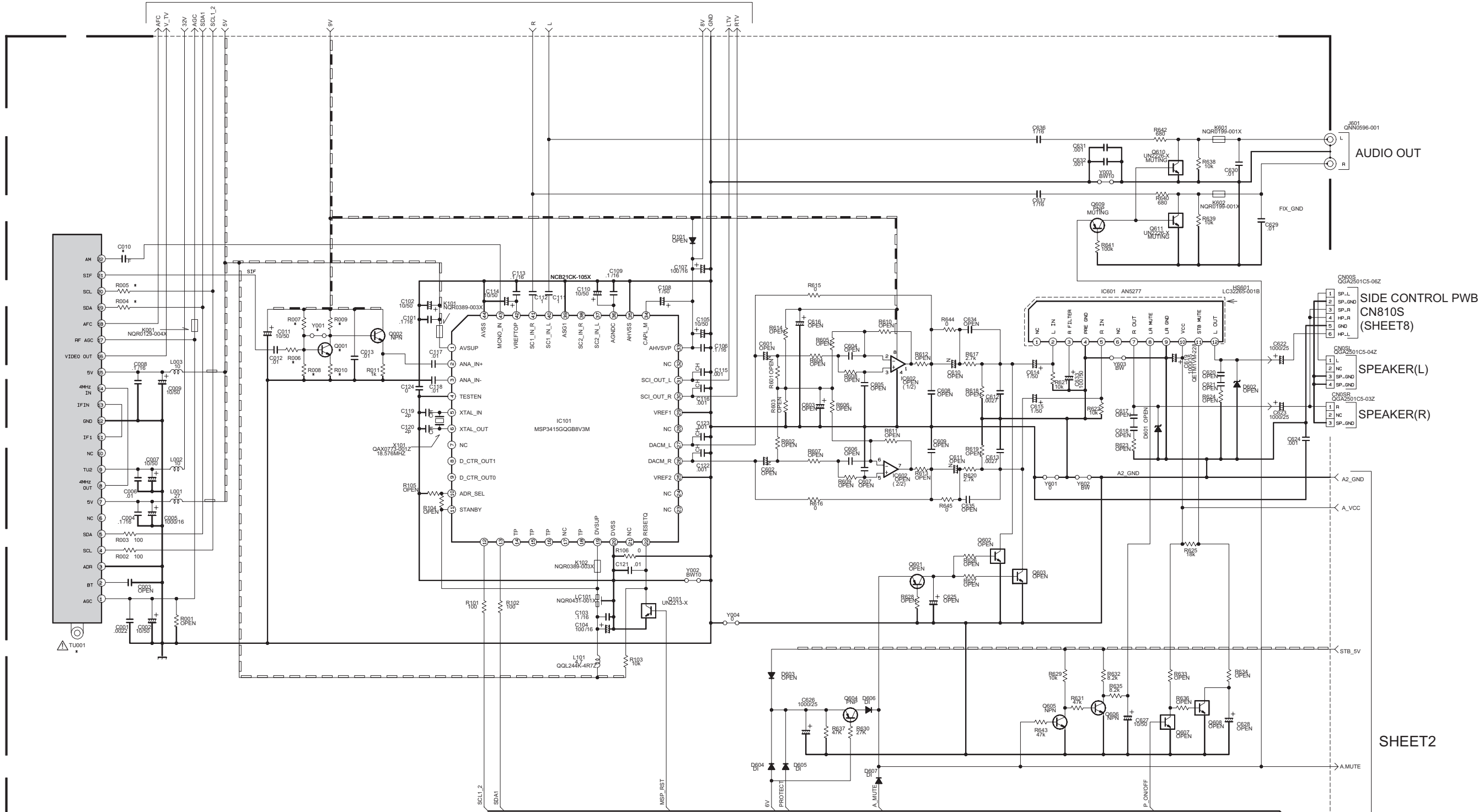
| TOP VIEW | | |
|---|---|--|
|  |  | |

BLOCK DIAGRAM



CIRCUIT DIAGRAMS
MAIN PWB CIRCUIT DIAGRAM (1/2) SHEET1

SHEET2



MAIN PWB ASS'Y (1/2)

SML-1302A-U2 [AV-28H5BU, AV-28H5SU, AV-28H50SU, AV-28H5BL, AV-28H5SL, AV-28H5SR]
SML-1301A-U2 [AV-32H5BU, AV-32H5SU, AV-32H50SU, AV-32H57SU, AV-32H5SR]
SML-1931A-U2 [AV-32H5SK]
SML-1932A-U2 [AV-28H5SK]

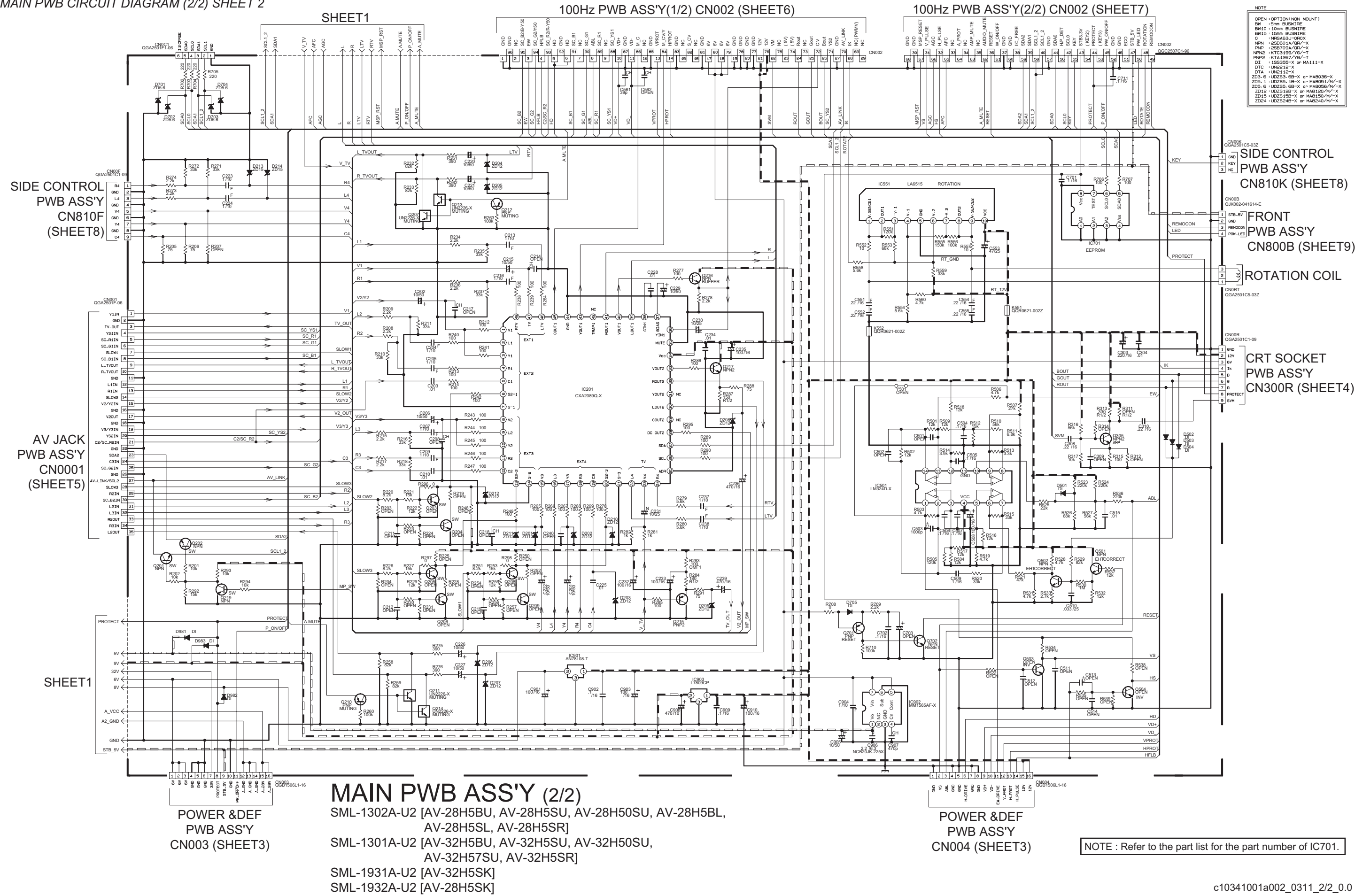
NOTE

| | |
|-------|----------------------|
| O: | NRSA63J-OPOX |
| NPN: | 2SC3928A/QP/-X |
| PNP: | 2SA1530A/QP/-X |
| DI: | 1SS335/-X or MA111-X |
| *1: | NGR0199-004X |
| *2: | MAB056/M/-X |
| BWxx: | IM-BW |

| | SML-1301A | SML-1302A | SML-1931A | SML-1932A |
|-------|-----------|-----------|-----------|-----------|
| TU001 | QAU027 | QAU027 | QAU027 | QAU027 |
| Q001 | NPN | NPN | OPEN | OPEN |
| Y001 | OPEN | OPEN | 0 | 0 |
| R004 | 100 | 100 | OPEN | OPEN |
| R005 | 100 | 100 | OPEN | OPEN |
| R006 | 0 | 0 | 4.7k | 4.7k |
| R007 | 2.2k | 2.2k | 10k | 10k |
| R008 | 1k | 1k | 10k | 10k |
| R009 | 680 | 680 | OPEN | OPEN |
| R010 | 330 | 330 | OPEN | OPEN |
| C010 | 1/10 | 1/10 | OPEN | OPEN |

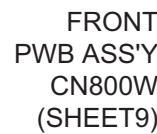
| | |
|----------|----------|
| 6V | 6V |
| A_MUTE | A_MUTE |
| P_ON/OFF | P_ON/OFF |
| PROTECT | PROTECT |
| MSP_RST | MSP_RST |
| SDA1 | SDA1 |
| SCL1_2 | SCL1_2 |

SHEET2



MAIN PWB ASS'Y (2/2)
CN003 (SHEET2)

MAIN PWB ASS'Y (2/2)
CN004 (SHEET2)



N

DEG COIL

| |
|----|
| Di |
| Di |



FOR TEST

POWER & DEF PWB ASS'Y

SML-2302A-U2 [AV-28H5SR]

SML-2302A-S2 [AV-28H5SU, AV-28H50SU, AV-28H5BL,
AV-28H5SL, AV-28H5SK, AV-28H5BU]

SML-2301A-S2 [AV-32H5BU, AV-32H5SU, AV-32H5SK, AV-32H50SU]

SML-2301A-U2 [AV-32H57SU, AV-32H5SR]

[illegible]

■ NOTE

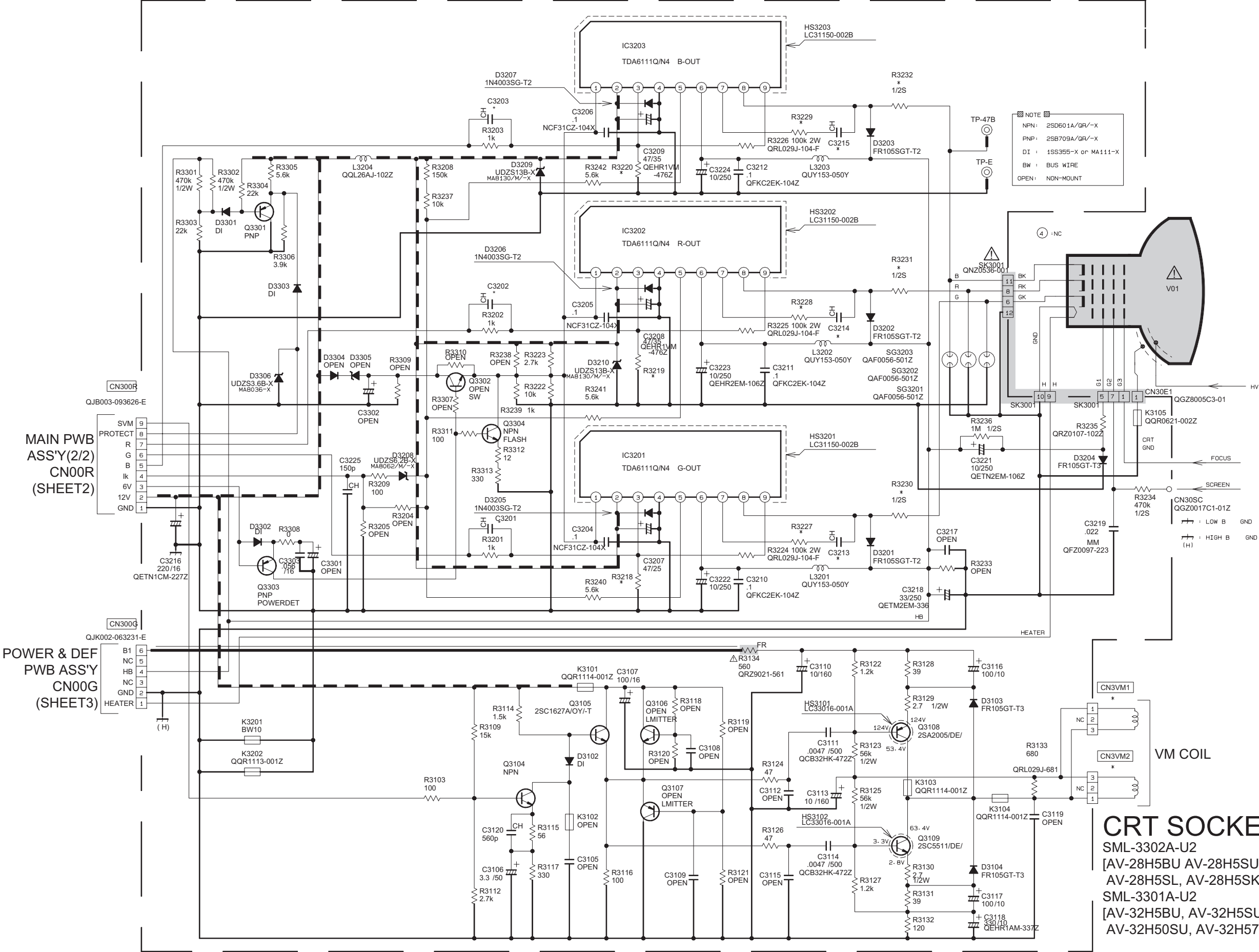
NPN : KTC3199/YG/-T
PNP : KTA1267/YG/-T
DI : 1SS133-T2
BW : BUSWIRE

OPEN : NON MOUNT
(OPTION)

DEF. YOKE

CRT SOCKET PWB ASS'Y
CN300G (SHEET4)

c10343001a001_0311_1/1_0.0



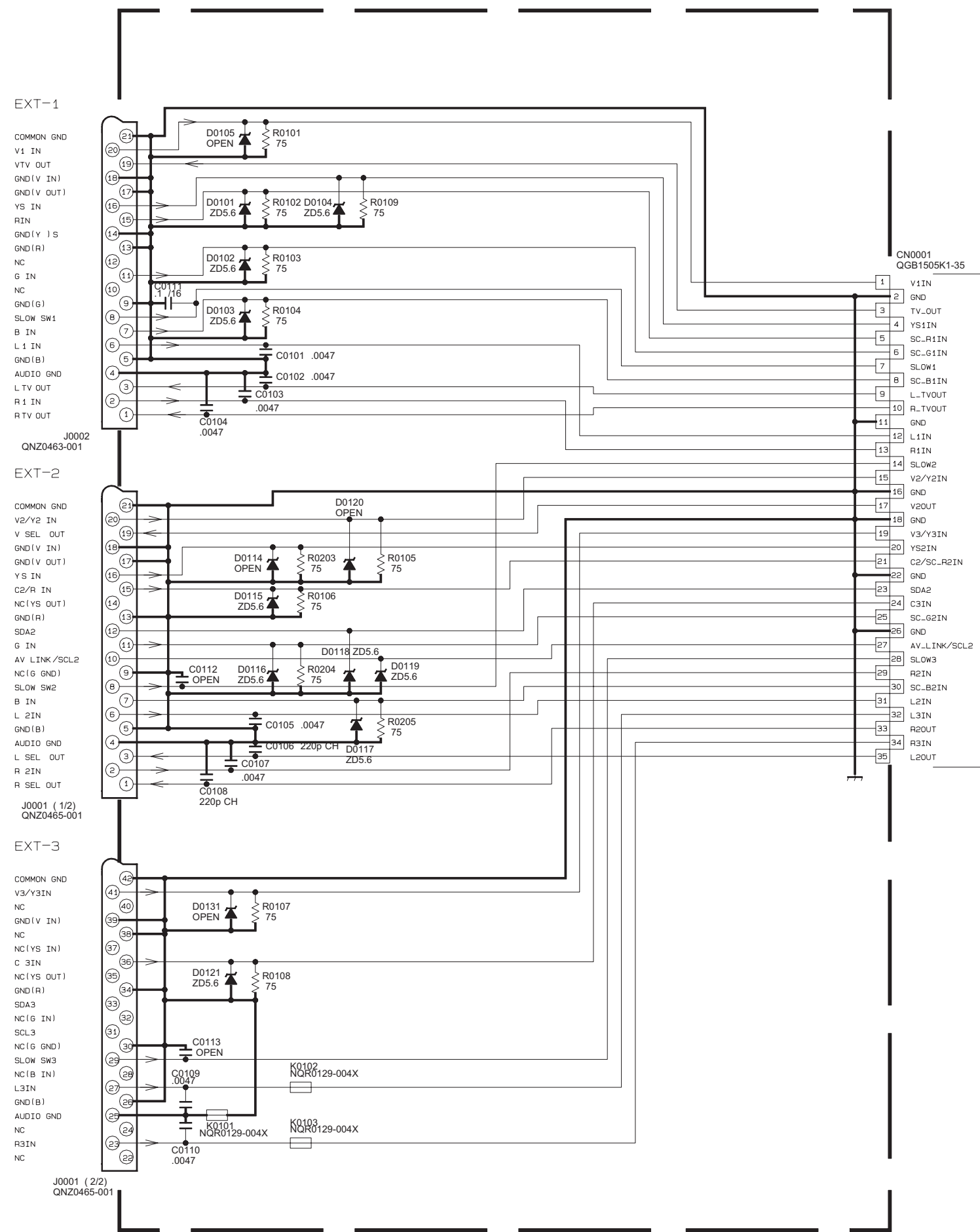
*DIFFERENCE PARTS LIST

| | SML-3301A | SML-3302A | SML-3303A | SML-3701A | SML-3702A |
|--------|----------------|----------------|----------------|----------------|----------------|
| C3201 | 8p | 8p | 8p | 12p | 12p |
| C3202 | 8p | 8p | 8p | 12p | 12p |
| C3203 | 8p | 8p | 8p | 12p | 12p |
| CN3VM | OPEN | OPEN | WJK0167-001A-E | OPEN | OPEN |
| CN3VM2 | OQA2501 C5-03Z | OQA2501 C5-03Z | OPEN | OQA2501 C5-03Z | OQA2501 C5-03Z |
| C3213 | 180p | 180p | 180p | 680p | 180p |
| C3214 | 180p | 180p | 180p | 680p | 180p |
| C3215 | 180p | 180p | 180p | 680p | 180p |
| R3218 | 2.7k | 2.7k | 2.7k | 5.6k | 2.7k |
| R3219 | 2.7k | 2.7k | 2.7k | 5.6k | 2.7k |
| R3220 | 2.7k | 2.7k | 2.7k | 5.6k | 2.7k |
| R3227 | 3.3k | 3.3k | 3.3k | 0 | 3.3k |
| R3228 | 3.3k | 3.3k | 3.3k | 0 | 3.3k |
| R3229 | 3.3k | 3.3k | 3.3k | 0 | 3.3k |
| R3230 | 1.5k | 1.5k | 1.5k | 1k | 1.5k |
| R3231 | 1.5k | 1.5k | 1.5k | 1k | 1.5k |
| R3232 | 1.5k | 1.5k | 1.5k | 1k | 1.5k |

V01(IIC) PICTURE TUBE MODEL

| | | |
|-----|---------------|--|
| 32" | W76ERF112X044 | AV-32X5SUA AV-32X5BUA |
| 28" | W66QDE993X996 | AV-28X5SUA AV-28X5BUA AV-28H5SLA AV-28H5BLA AV-28X5SKA AV-28X5BKA |
| 32" | W76QEN693X100 | AV-32H5SUA AV-32H5BUA AV-32H5SLA AV-32H5BLA AV-32X5SKA AV-32X5BKA |

CRT SOCKET PWB ASS'Y
SML-3302A-U2
[AV-28H5BU AV-28H5SU, AV-28H50SU, AV-28H5BL,
AV-28H5SL, AV-28H5SK, AV-28H5SR]
SML-3301A-U2
[AV-32H5BU, AV-32H5SU, AV-32H5SK,
AV-32H50SU, AV-32H57SU, AV-32H5SR]

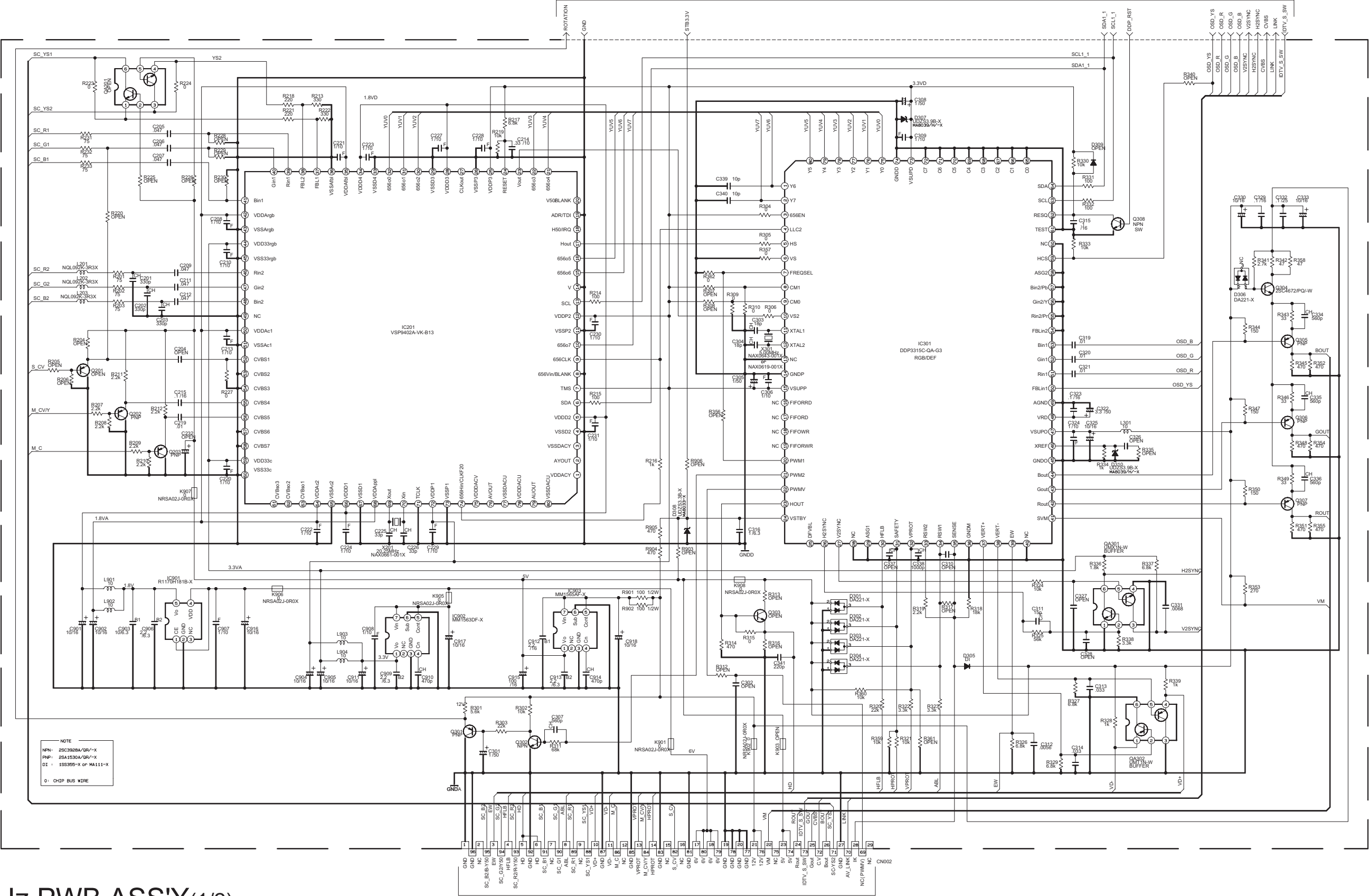


MAIN PWB ASS'Y (2/2)
CN001
(SHEET2)

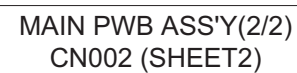
NOTE

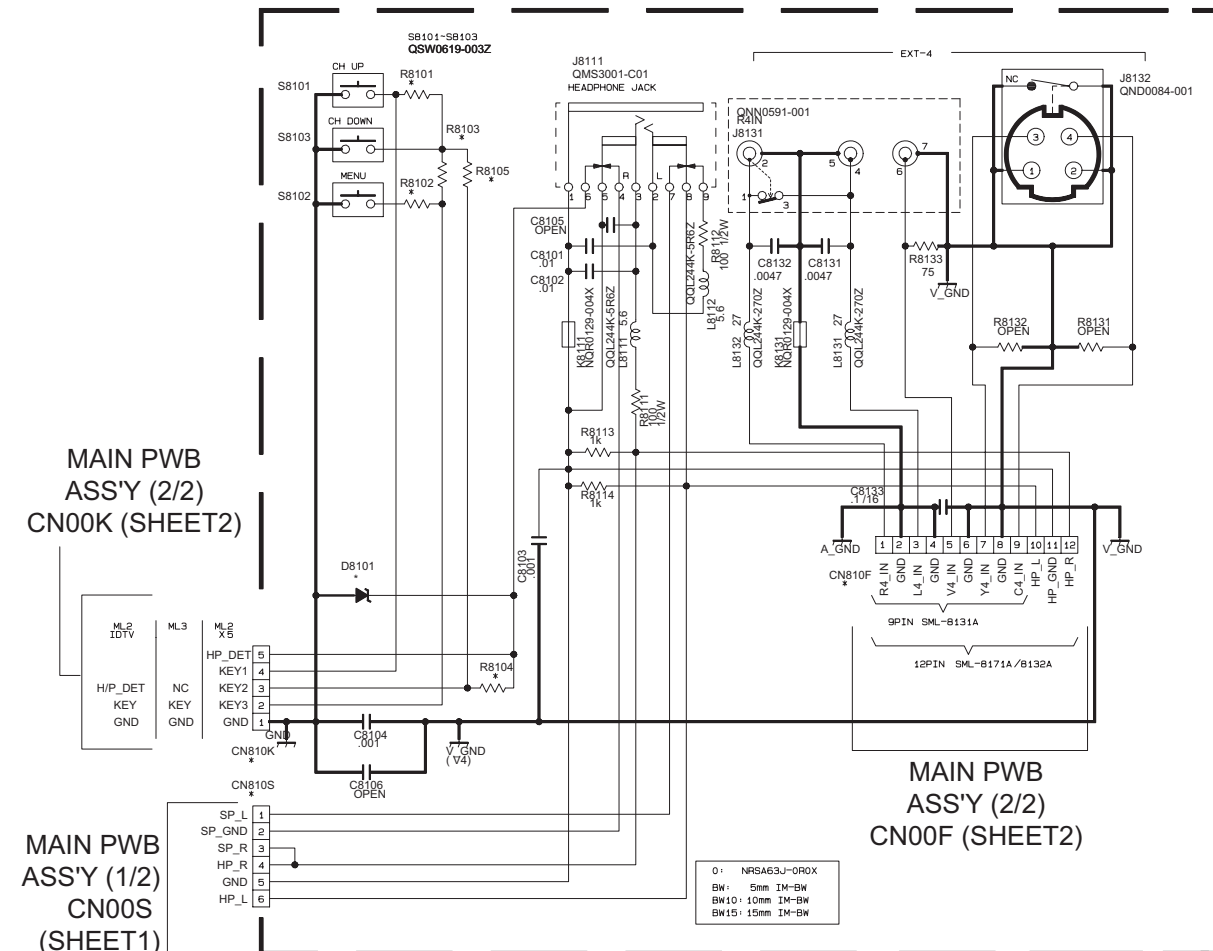
OPEN :OPTION(NON MOUNT)
BW :5mm IM-BW(QUY153-050Y)
0 :NRSA63J-0R0X
ZD5.6 :UDZ55.6B-X or MA8056/M/-X

AV JACK PWB ASS'Y
SML0J301A-U2



100Hz PWB ASS'Y(1/2)
SML0Z301A-U2





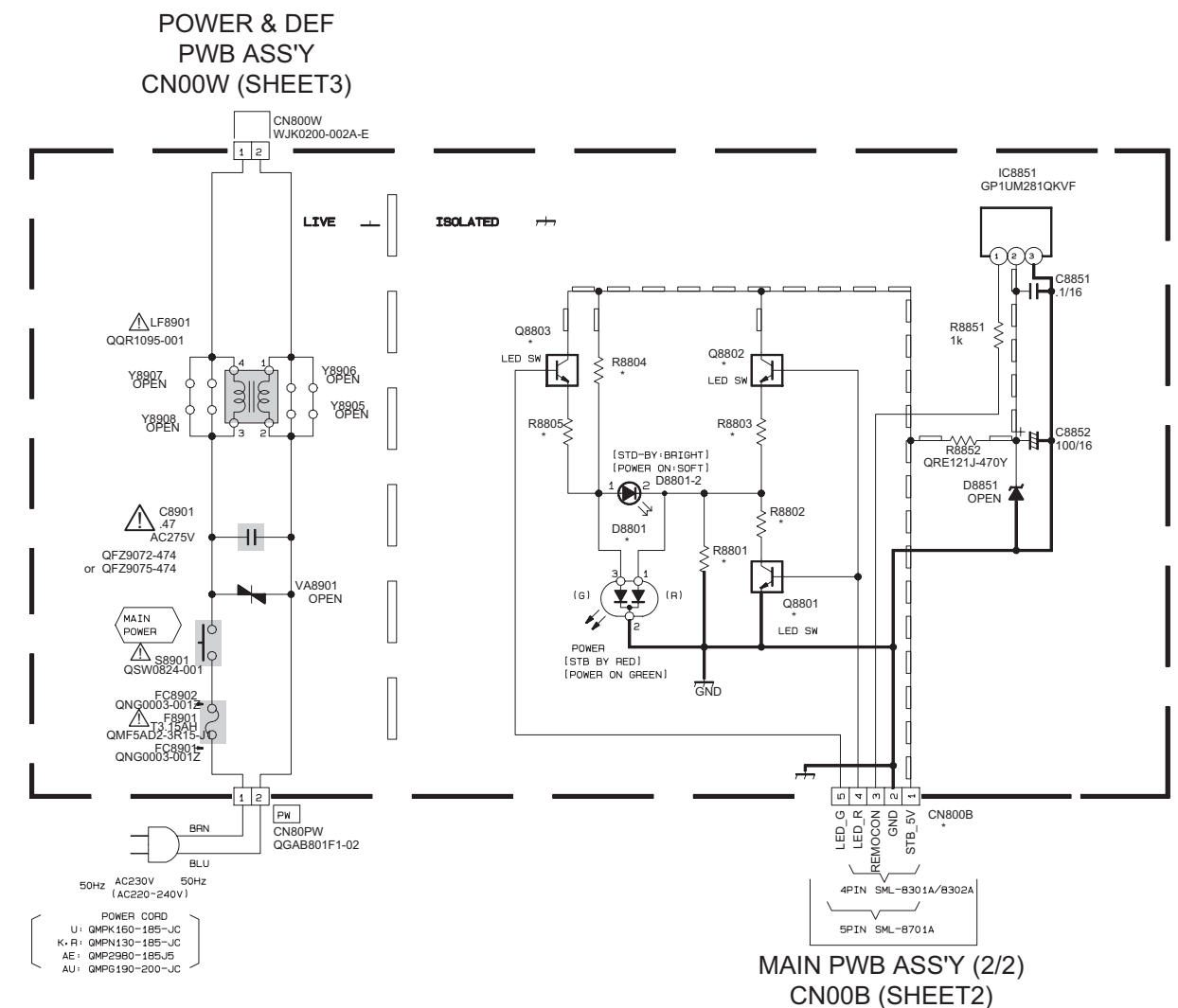
SIDE CONTROL PWB ASS'Y

SML-8131A-U2 [AV-28H5BU, AV-28H5SU, AV-32H5BU, AV-32H5SU,
AV-32H5SK, AV-28H5BL, AV-28H5SK, AV-28H5SL,
AV-28H5SR, AV-32H5SR]

SML-8133A-U2 [AV-28H50SU,AV-32H50SU, AV-32H57SU]

*DIFFERENCE LIST

| | ML3 | ML2-10TV | ML2/X5 |
|--------|--------------|--------------|--------------|
| | SML-8131A | SML-8171A | SML-8132A |
| CN810S | QGA2501F1-06 | OPEN | OPEN |
| CN810F | QGA2501F1-09 | QGA2501F1-12 | QGA2501F1-12 |
| CN810K | QGA2501F1-03 | QGA2501F1-03 | QGA2501F1-05 |
| R8101 | 820 | 820 | OPEN |
| R8102 | 1.5k | 1.5k | 0 |
| R8103 | 0 | 0 | OPEN |
| R8104 | OPEN | 0 | OPEN |
| R8105 | OPEN | OPEN | 0 |
| D8101 | OPEN | UDZ55B-3.3 | UDZ55B-6 |



FRONT CONTROL PWB ASS'Y

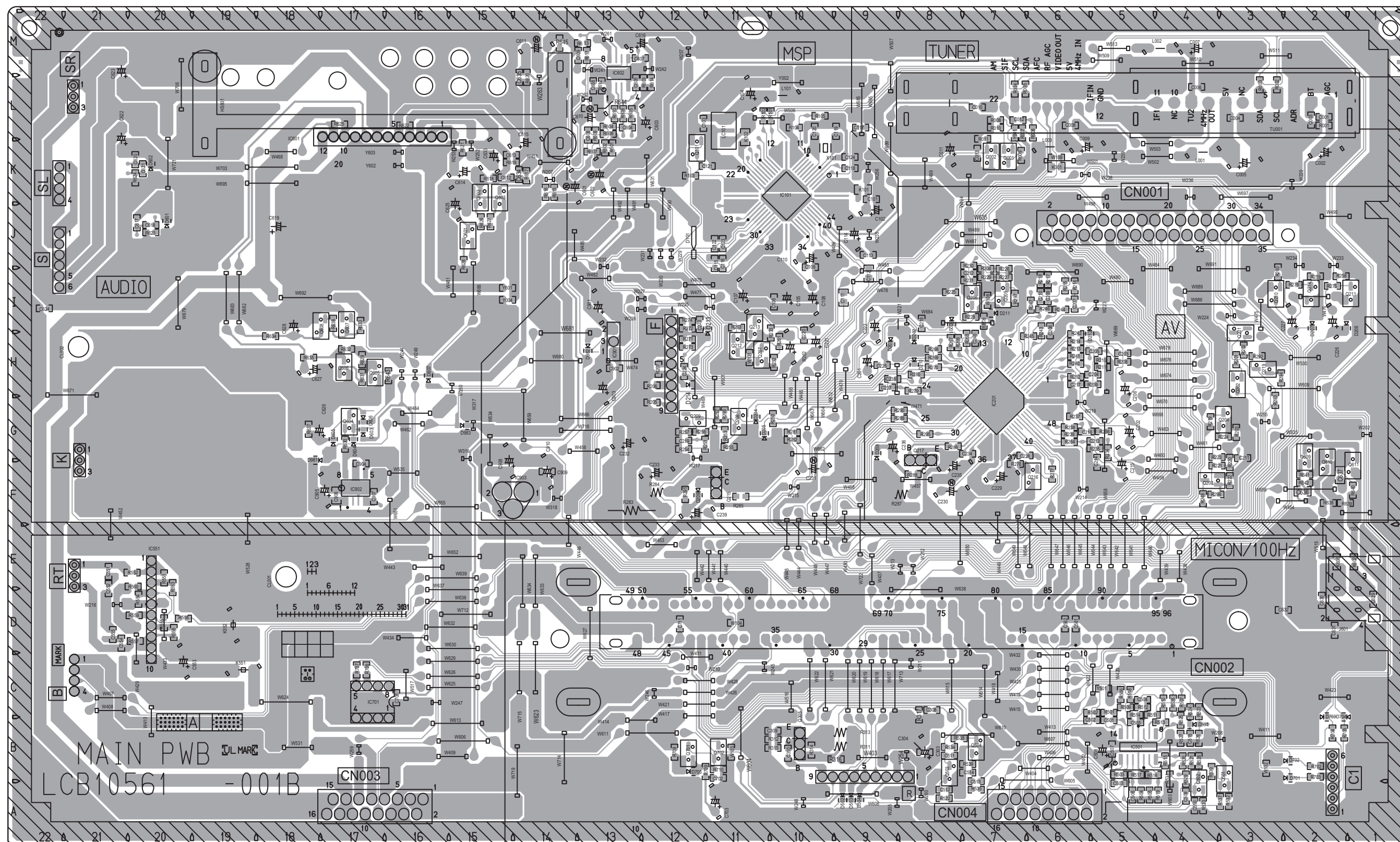
SML-8301A-U2 [AV-28H5BU, AV-28H5SU, AV-32H5BU, AV-32H5SU,
AV-32H5SK, AV-28H5BL, AV-28H5SK, AV-28H5SL,
AV-28H5SR, AV-32H5SR]

SML-8302A-U2 [AV-28H50SU, AV-32H50SU, AV-32H57SU]

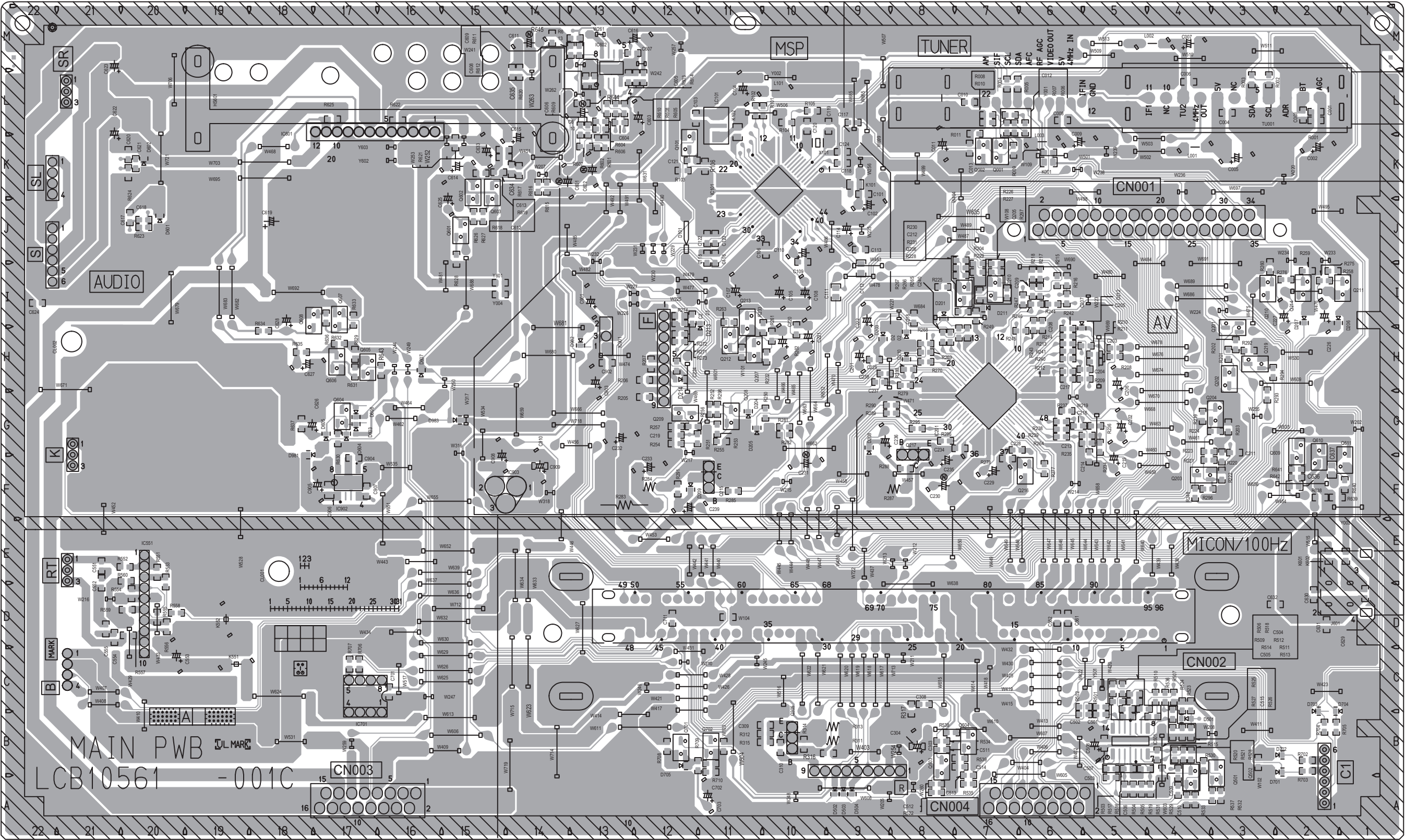
*DIFFERENCE LIST

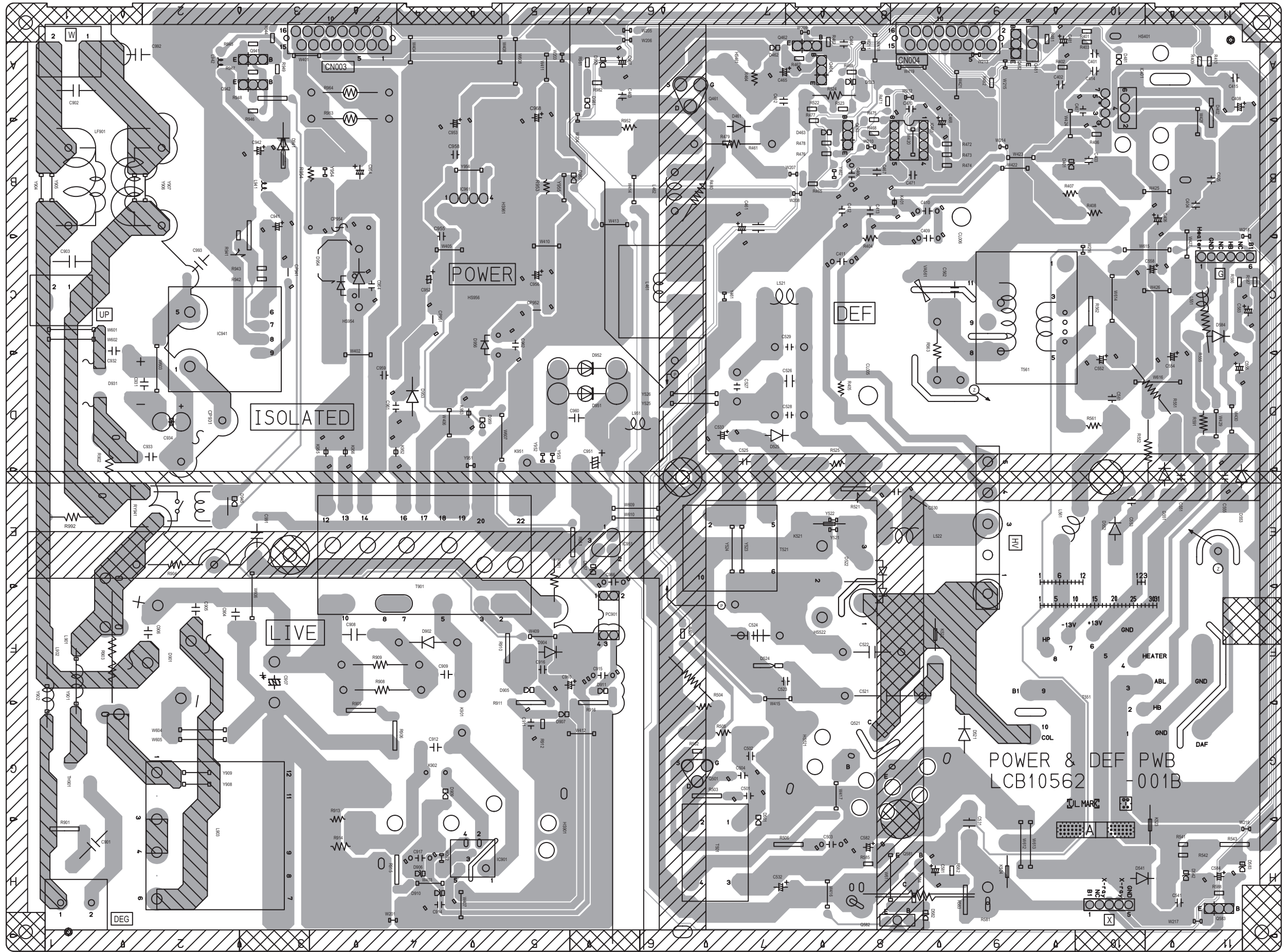
| | SML-8301A | SML-8701A |
|--------|-------------------|-------------------|
| Q8801 | UN212-X | OPEN |
| Q8802 | OPEN | UN216-X |
| Q8803 | OPEN | UN216-X |
| R8801 | 2.2k | OPEN |
| R8802 | 330 | OPEN |
| R8803 | OPEN | 180 |
| R8804 | 0 | OPEN |
| R8805 | OPEN | 220 |
| CN800B | QGA2501 C5-04Z | QGA2501 C5-05Z |
| D8801 | LH22440 | SPR-39 C5-05Z |

MAIN PWB PATTERN [AV-28H5BU, AV-28H5SU, AV-32H5BU, AV-32H5SU, AV-32H5SK,
AV-28H50SU, AV-32H50SU, AV-32H57SU, AV-28H5SK, AV-28H5SR, AV-32H5SR]

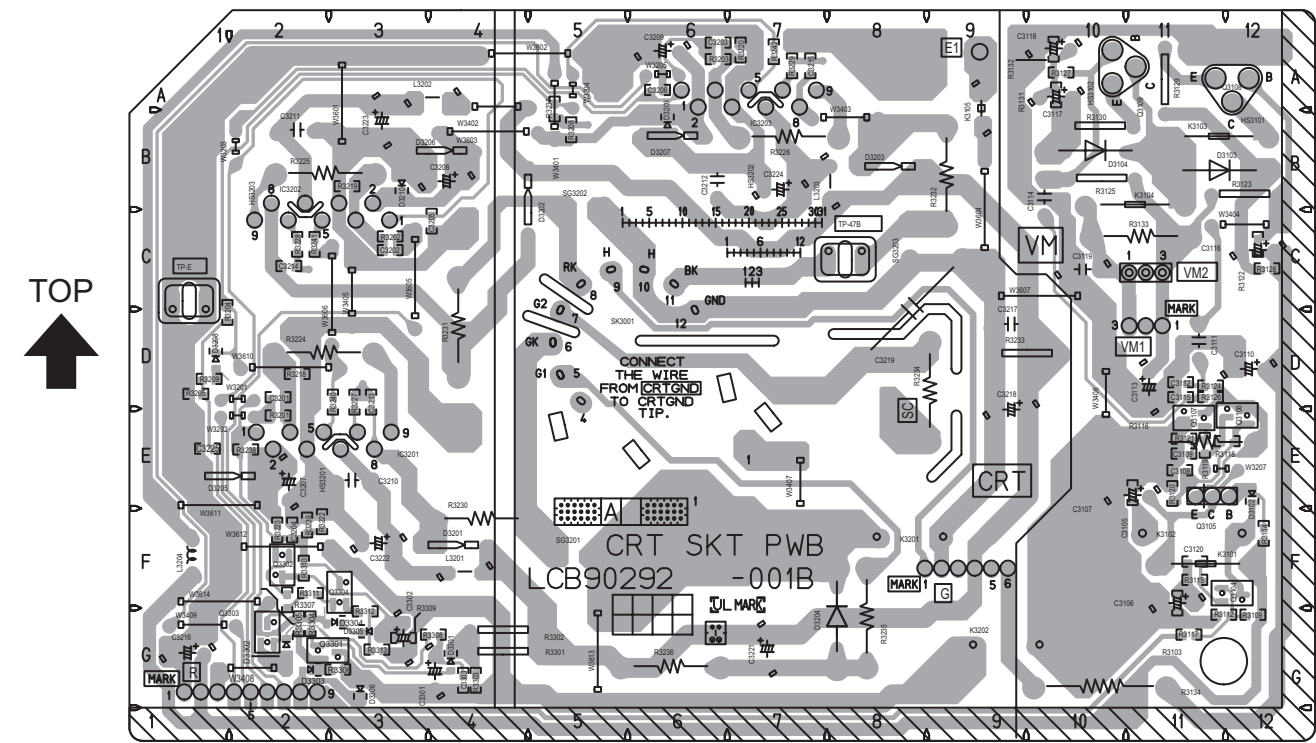


FRONT

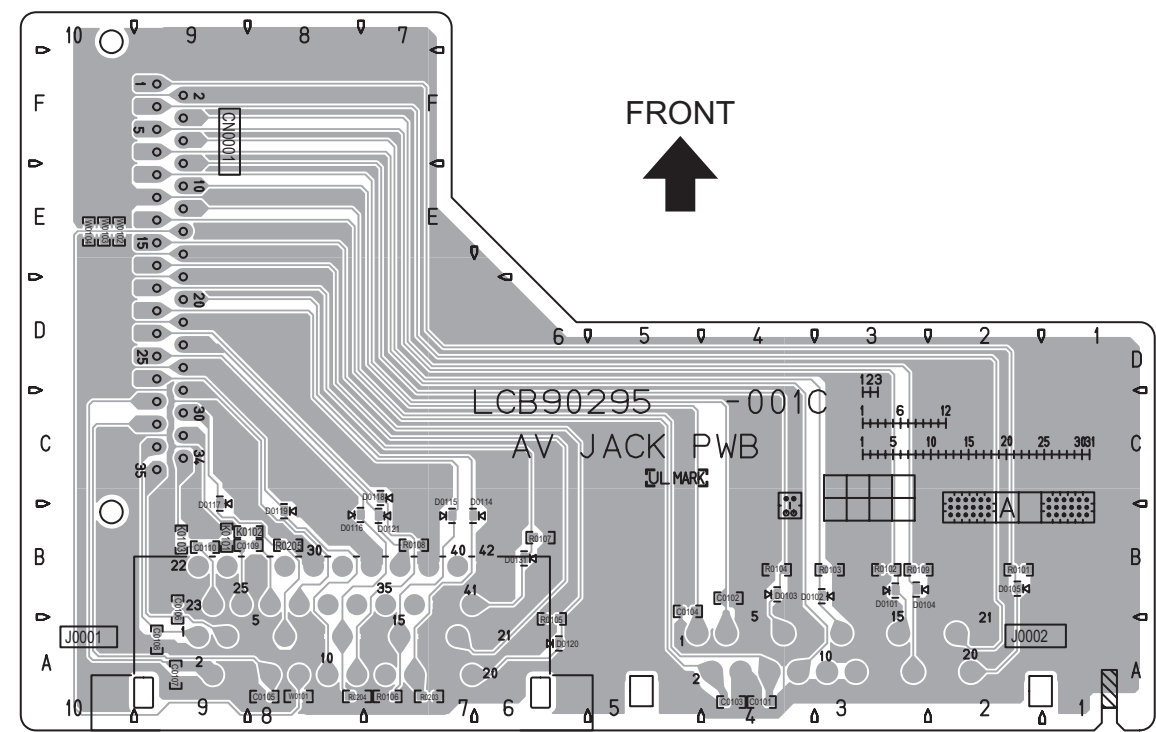




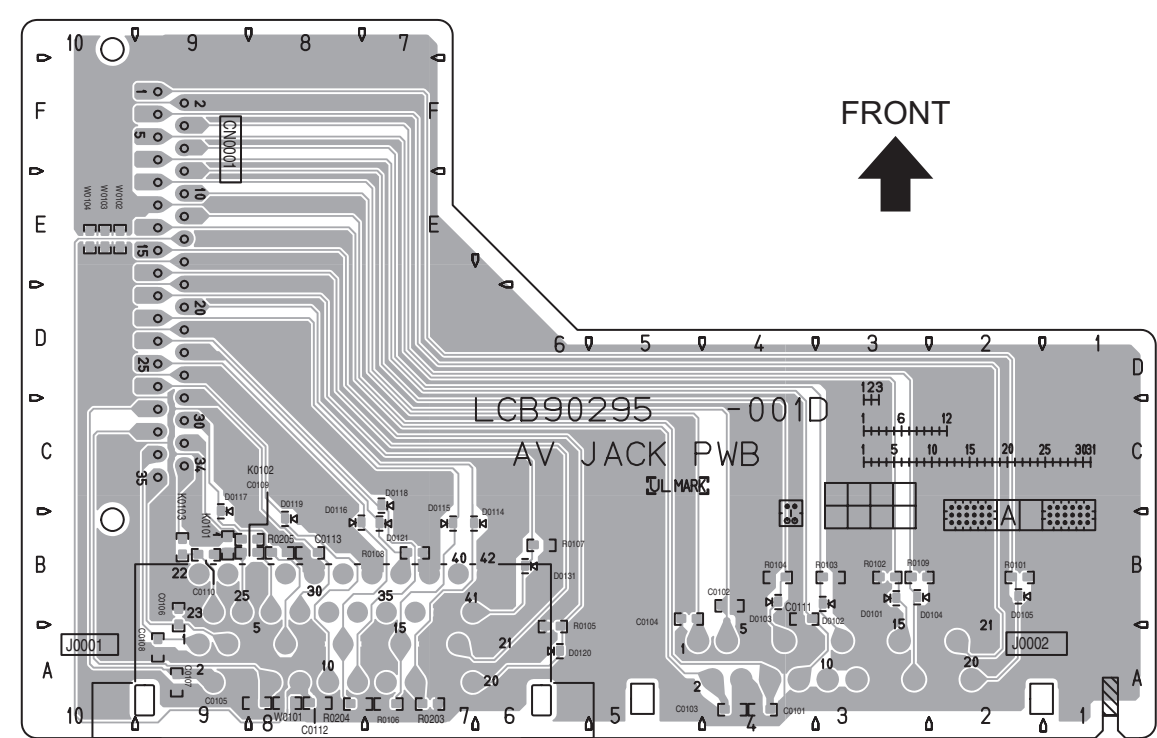
CRT SOCKET PWB PATTERN



AV JACK PWB PATTERN [AV-28H5BU, AV-28H5SU, AV-32H5BU, AV-32H5SU, AV-32H5SK, AV-28H50SU, AV-32H50SU, AV-32H57SU]

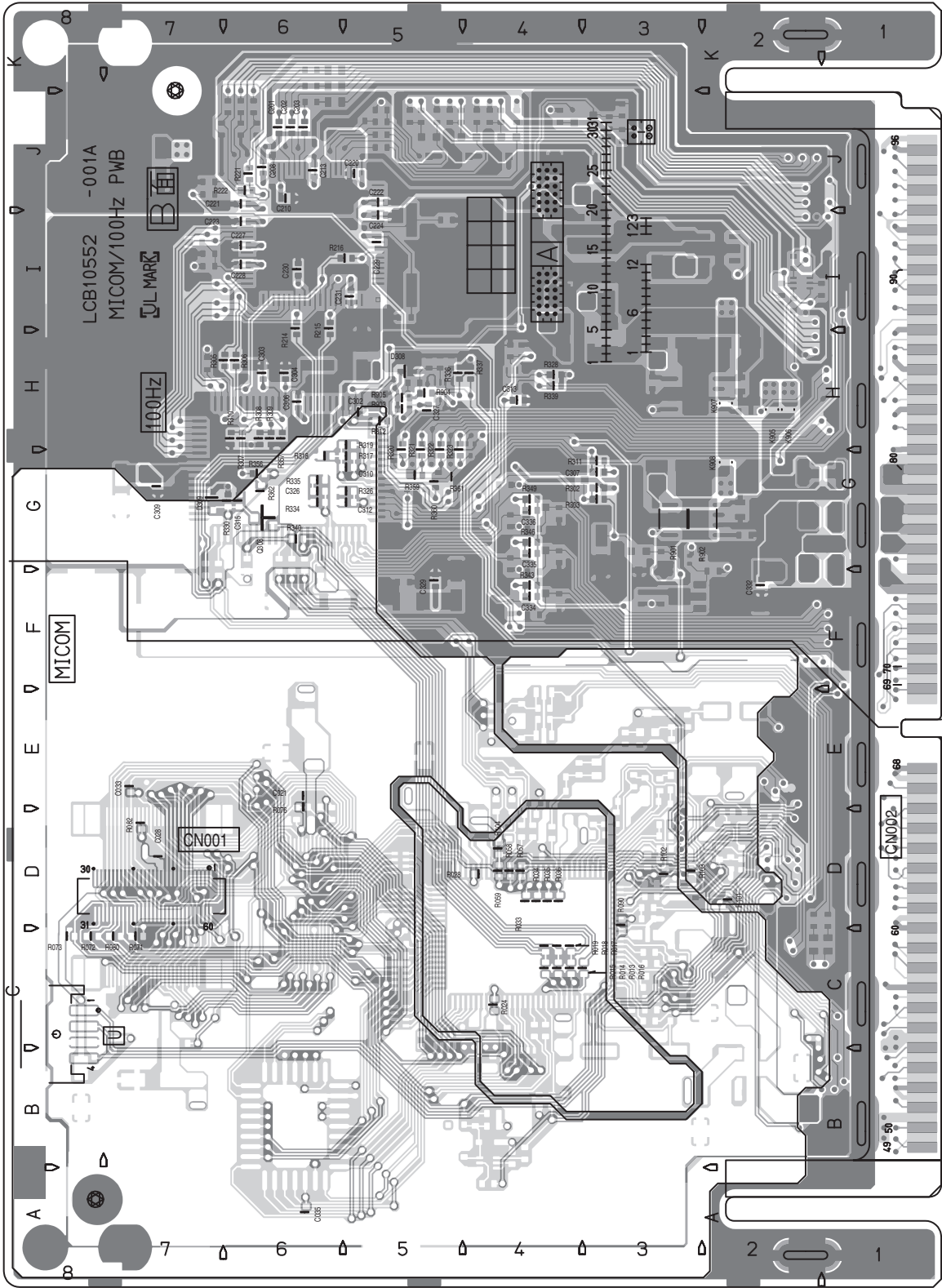


AV JACK PWB PATTERN [AV-28H5BL, AV-28H5SL, AV-28H5SK, AV-28H5SR, AV-32H5SR]



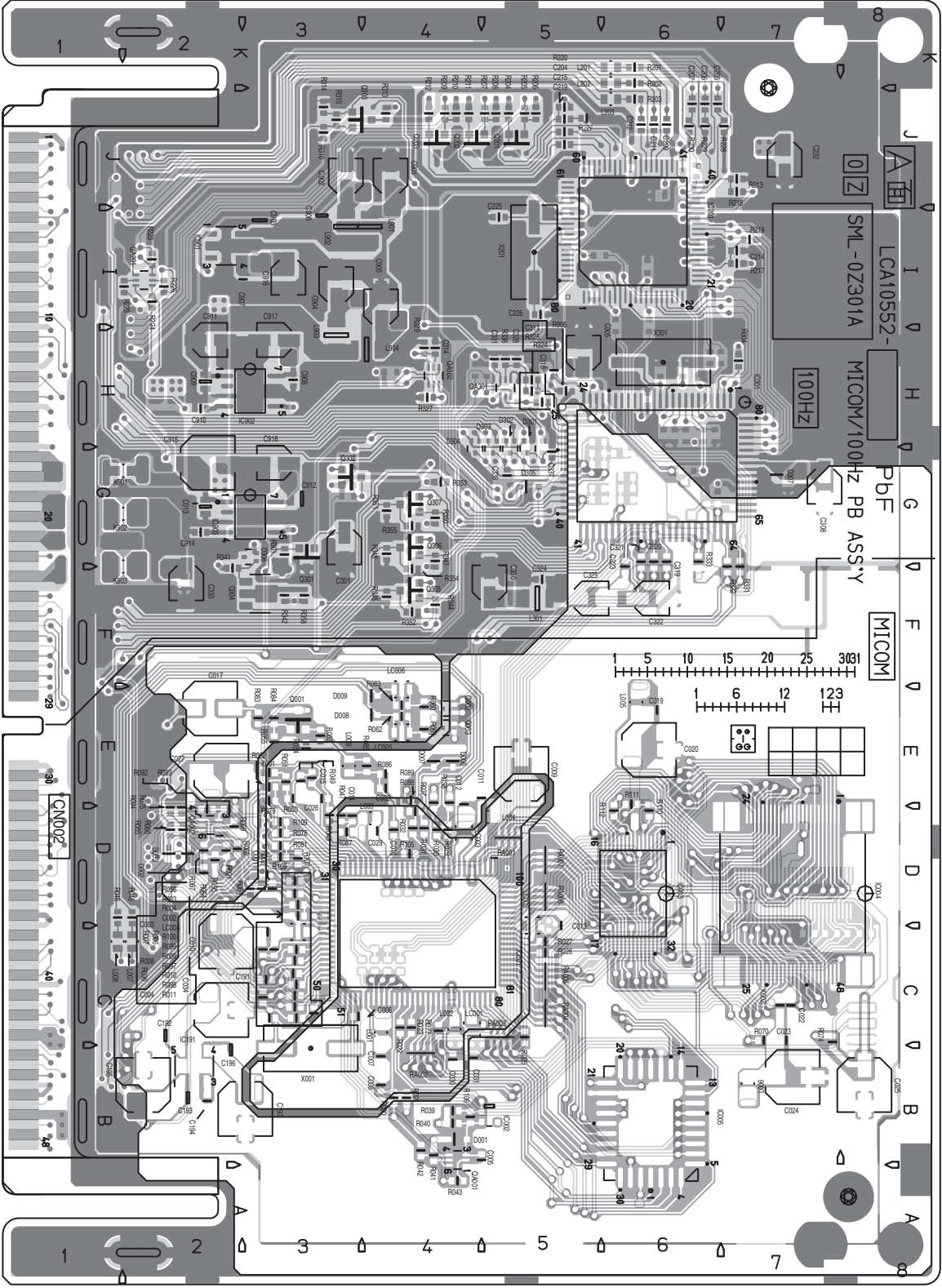
[SOLDER SIDE]

FRONT
↑

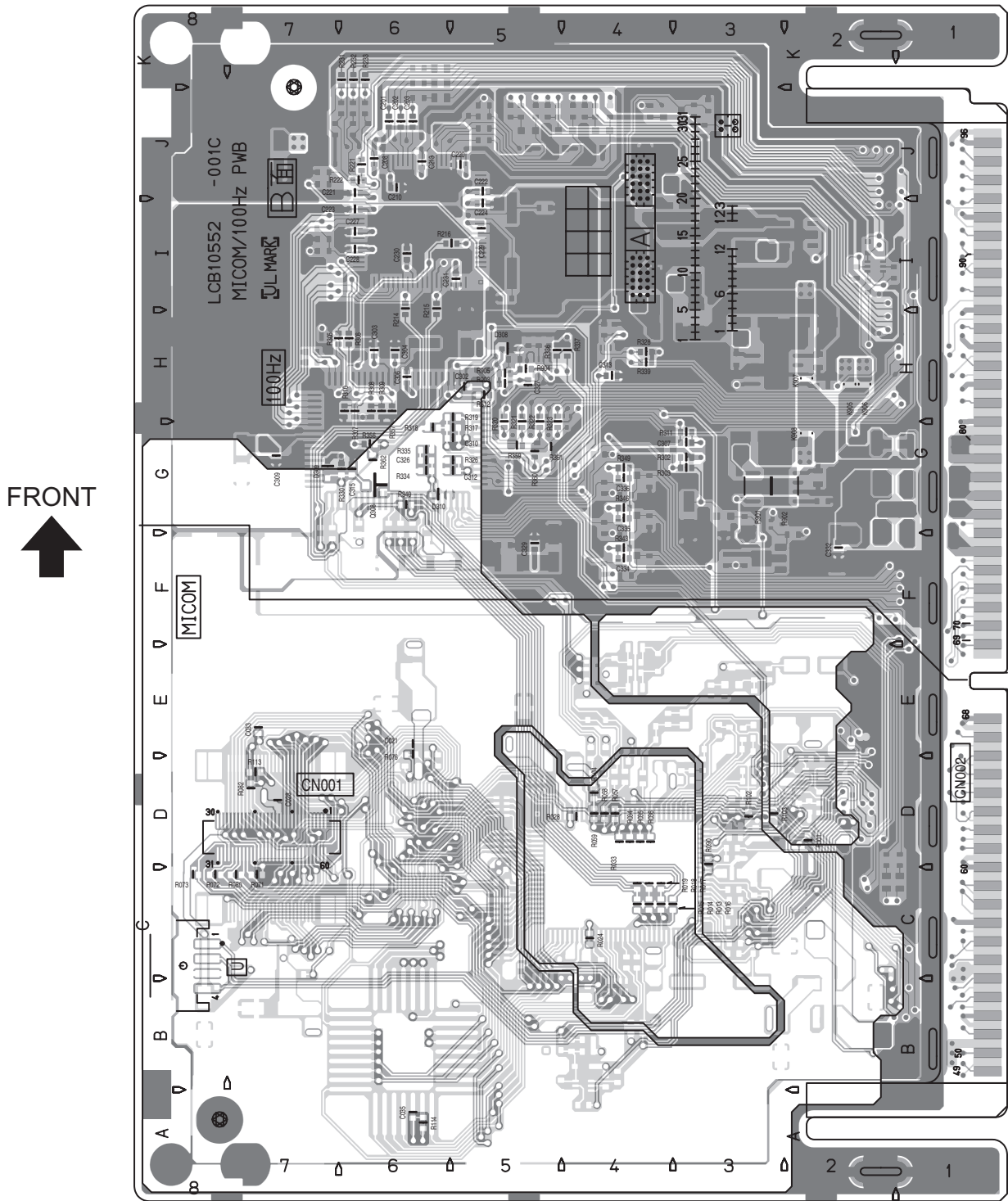


[PARTS SIDE]

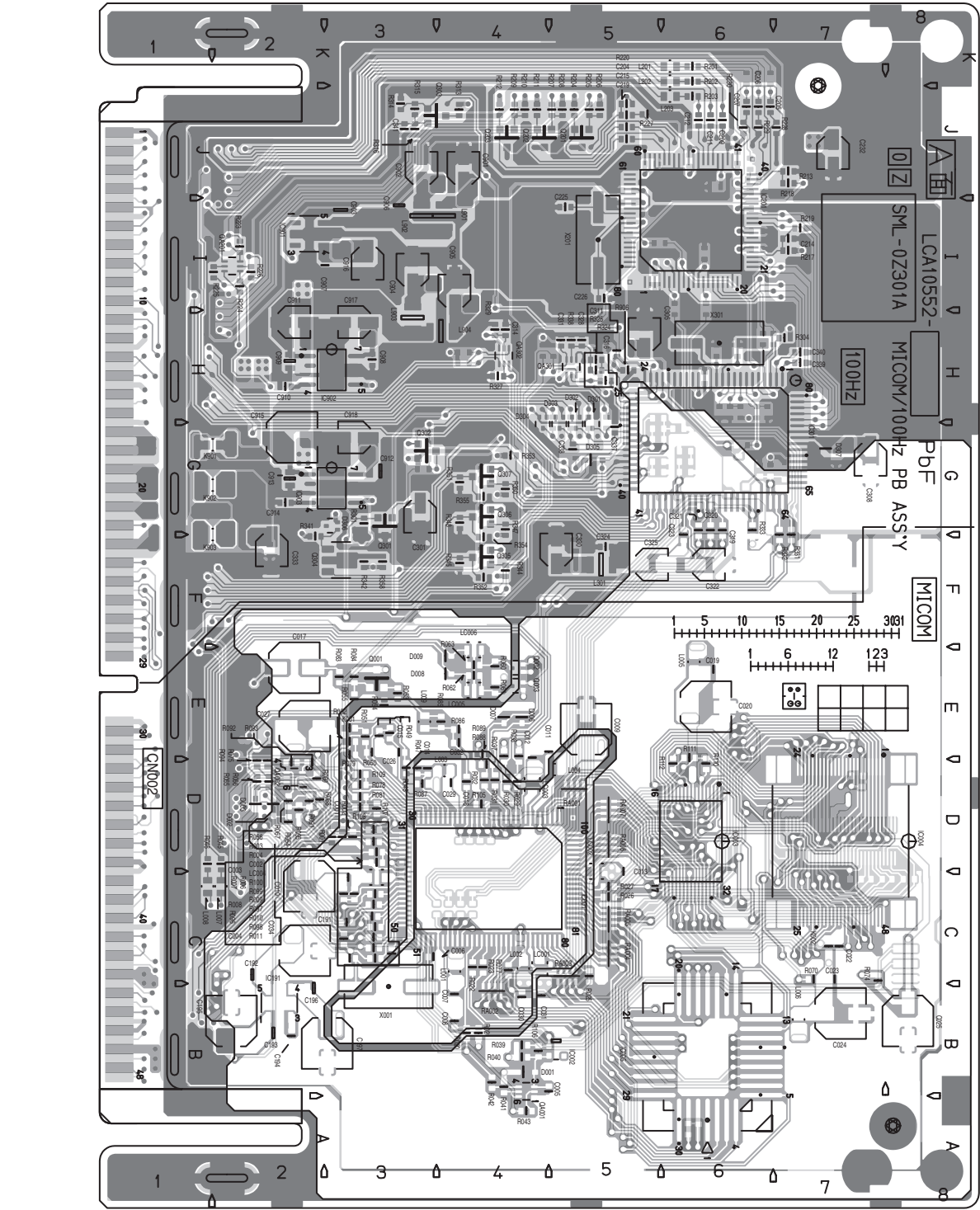
FRONT
↑



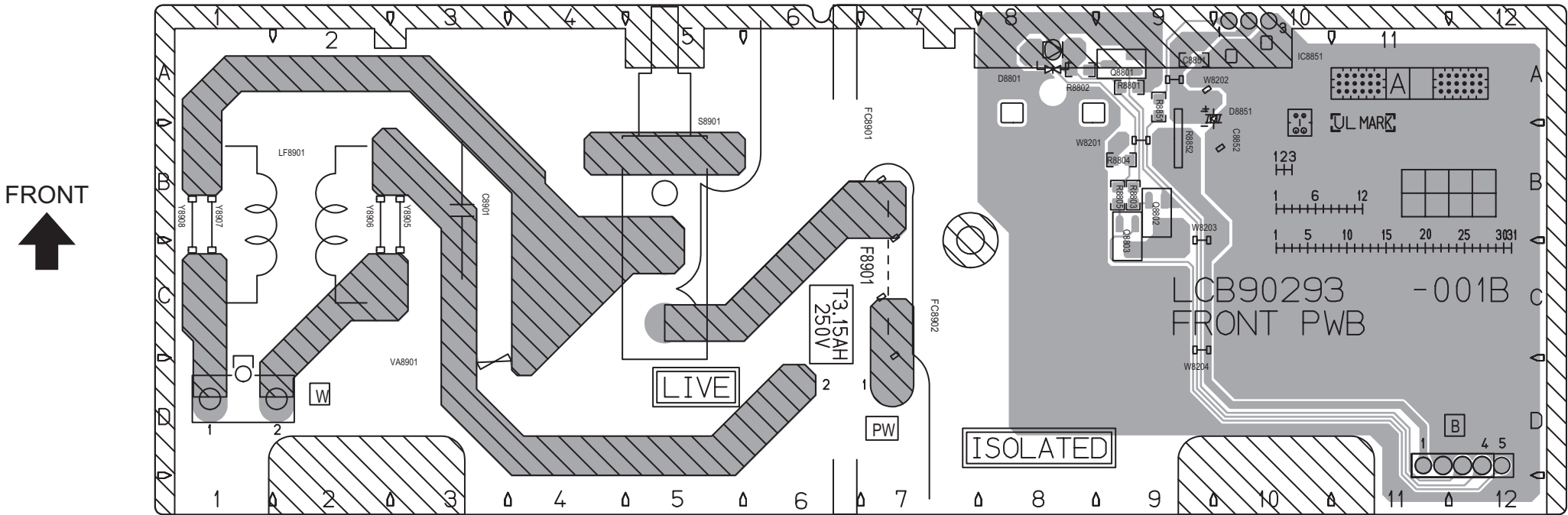
[SOLDER SIDE]



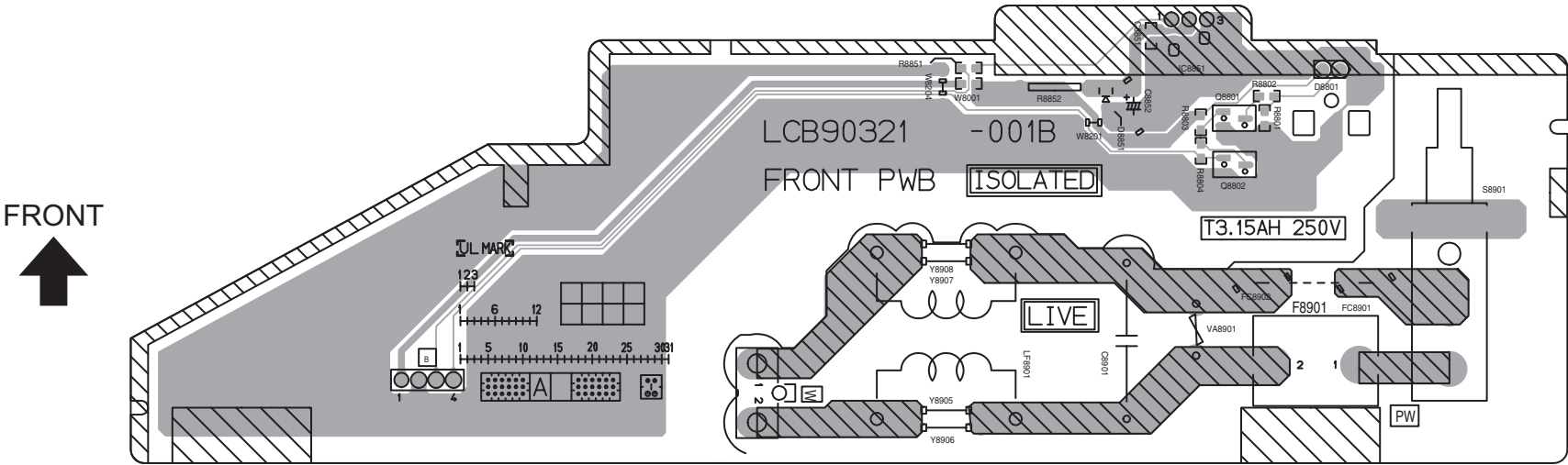
[PARTS SIDE]



FRONT CONTROL PWB PATTERN [AV-28H5BU, AV-28H5SU, AV-32H5BU, AV-32H5SU, AV-32H5SK, AV-28H5BL, AV-28H5SL, AV-28H5SK, AV-28H5SR, AV-32H5SR]



FRONT CONTROL PWB PATTERN [AV-28H50SU, AV-32H50SU, AV-32H57SU]

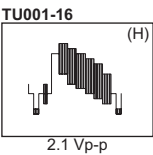


VOLTAGE CHARTS

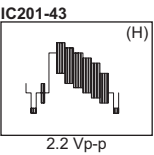
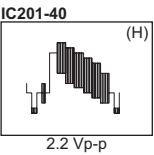
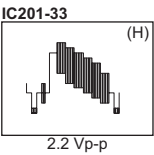
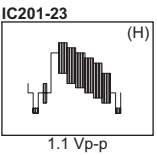
| <MAIN PWB(1/2)> [P.2-5~P.2-6] | | <POW & DEF PWB> [P.2-9~P.2-10] | | <CRT SOCKET PWB> [P.2-11~P.2-12] | | <100Hz PWB(1/2)> [P.2-15~P.2-16] | | <100Hz PWB(2/2)> [P.2-17~P.2-18] | | <FRONT PWB> [P.2-20] | |
|----------------------------------|--------|-----------------------------------|--------|-------------------------------------|--------|-------------------------------------|--------|-------------------------------------|--------|-------------------------|--------|
| MODE PIN NO. | DC (V) | MODE PIN NO. | DC (V) | MODE PIN NO. | DC (V) | MODE PIN NO. | DC (V) | MODE PIN NO. | DC (V) | MODE PIN NO. | DC (V) |
| IC 101 | | Q 605 | | 8 | 6.4 | IC 401 | | 34 | 1.7 | QA 302 | |
| 1 | 5 | E | 0 | 9 | 0 | 1 | 0.6 | 50 | 0 | 27 | 0.6 |
| 2 | 1.5 | C | 4.1 | 10 | 11.8 | 2 | 14.3 | 51 | 0.2 | 28 | NC |
| 3 | 0 | B | 0 | IC 701 | | 3 | -12.4 | 52 | 0 | 29 | 3 |
| 4 | 0 | Q 606 | | 1 | 0 | 4 | -14.5 | 53 | 0.2 | 30 | 3.2 |
| 5 | 2.3 | E | 0 | 2 | 0 | 5 | 0.1 | 54 | 0 | 31 | 0 |
| 6 | 0 | C | 0 | 3 | 0 | 6 | 14.3 | 55 | 0 | 32 | 0 |
| 7 | NC | B | 0.6 | 4 | 0 | 7 | 0.6 | 56 | 0 | 33 | 3.1 |
| 8 | 0 | Q 609 | | 5 | 3.3 | IC 461 | | 57 | 0 | 34 | 0.2 |
| 9 | 0 | E | 0.1 | 6 | 3.3 | 1 | 3.5 | 58 | 0 | 35 | 0 |
| 10 | 2.5 | C | -1.5 | 7 | 0 | 2 | 1 | 59 | 0 | 36 | 2.1 |
| 11 | 5 | B | 0 | 8 | 3.3 | 3 | 2.1 | 60 | 0 | 37 | 0 |
| 12 | 1.8 | Q 610 | | IC 901 | | 4 | 0 | 61 | 0 | 38 | 0 |
| 13 | 2.2 | E | 0 | 1 | 12 | 5 | 5.8 | 62 | 0 | 39 | 0 |
| 14 | 1.5 | C | 4.1 | 2 | 8 | 6 | 3.5 | 63 | 2.5 | 40 | 3.2 |
| 15 | 1.5 | B | -1.5 | 3 | 0 | 7 | 10.5 | 64 | 2.5 | 41 | 0 |
| 16 | 1.4 | Q 611 | | IC 902 | | 8 | 12 | 65 | 0 | 42 | 0 |
| 17 | NC | E | 0 | 1 | 5 | IC 901 | | 66 | 0 | 43 | 0 |
| 18 | 1.5 | C | 4.1 | 2 | 0 | 1 | 296 | 67 | 0 | 44 | 0 |
| 19 | 5 | B | -1.5 | 3 | 0 | 2 | 0 | 68 | 0 | 45 | 0 |
| 20 | 0 | | | 4 | 3.4 | 3 | 0 | 69 | 0 | 46 | 0 |
| 21 | NC | | | 5 | 5.8 | 4 | 18.7 | 70 | 0 | 47 | 0 |
| 22 | 5 | | | 6 | 0 | 5 | 1.3 | 71 | 0 | 48 | 0 |
| 23 | NC | | | 7 | 5.8 | IC 941 | | 72 | 0 | 49 | 0 |
| 24 | NC | | | IC 903 | | 1 | 25.3 | 73 | 3.2 | 50 | * |
| 25 | 0 | | | 1 | 11.8 | 5 | -47.5 | 74 | 0 | 51 | NC |
| 26 | 0.1 | | | 2 | 8.9 | 6 | 0 | 75 | 1.1 | 52 | 0.4 |
| 27 | 0.1 | | | 3 | 0 | 7 | 0 | 76 | 1.1 | 53 | 0.6 |
| 28 | NC | | | Q 201 | | 8 | 0 | 77 | 1.3 | 54 | NC |
| 29 | 0 | | | E | 4.4 | 9 | 4.9 | 78 | 1.1 | 55 | 0 |
| 30 | 3.8 | | | C | 4.5 | IC 951 | | 79 | 2.1 | 56 | 2.4 |
| 31 | 3.8 | | | B | 0 | 1 | 140.7 | 80 | 1.1 | 57 | 0.3 |
| 32 | NC | | | Q 202 | | 2 | 10.6 | IC 901 | | 58 | 0.3 |
| 33 | 8.1 | | | E | 1 | 3 | 0 | 1 | 0 | 59 | 0.3 |
| 34 | 7 | | | C | 4.5 | IC 961 | | 2 | 0 | 60 | 0 |
| 35 | 0 | | | B | 0 | 1 | 13.2 | 3 | 0 | 61 | NC |
| 36 | 3.7 | | | Q 207 | | 2 | 11.9 | 4 | 5.9 | 62 | 3.2 |
| 37 | 3.7 | | | E | 0 | 3 | 0 | 5 | 1.8 | 63 | NC |
| 38 | 0 | | | C | 0 | 4 | 13.2 | 6 | 0 | 64 | 3.2 |
| 39 | 0 | | | B | -1.5 | Q 461 | | 7 | 5.8 | 65 | 3.2 |
| 40 | 3.7 | | | Q 210 | | S | 0.5 | IC 903 | | 66 | NC |
| 41 | 3.8 | | | E | 0.1 | D | 16.3 | 1 | 0 | 67 | 0 |
| 42 | 2.6 | | | C | -0.4 | B | 128.4 | 2 | 0 | 68 | 0 |
| 43 | 3.7 | | | B | 0 | Q 3109 | | 3 | 0 | 69 | 0 |
| 44 | 0 | | | Q 211 | | E | 0 | 4 | 0 | 70 | 0.1 |
| IC 601 | | | | E | 0 | C | 66.4 | 5 | 0 | 71 | 1.4 |
| 1 | 0 | | | C | 0 | B | 3.6 | 6 | 0 | 72 | 3.2 |
| 2 | 0 | | | B | -1.2 | Q 3301 | | 7 | 0 | 73 | 2.4 |
| 3 | 28.7 | | | Q 212 | | E | 4.9 | IC 301 | | 74 | 0 |
| 4 | 0 | | | E | 0.1 | C | 0 | 1 | 1.1 | 75 | 3.2 |
| 5 | 0 | | | C | -1.4 | B | 0 | 2 | 1.8 | 76 | 0.5 |
| 6 | 0 | | | B | 0 | Q 3303 | | 3 | 3.2 | 77 | 2.5 |
| 7 | 14.2 | | | Q 213 | | E | 5.6 | 4 | 2 | 78 | 0.3 |
| 8 | 0.6 | | | E | 0 | C | -1.5 | 5 | 0.3 | 79 | 1.3 |
| 9 | 0 | | | C | 0 | B | 5.9 | 6 | 0 | 80 | 3.2 |
| 10 | 30 | | | B | -1.5 | Q 3304 | | 7 | 0 | 81 | 1.1 |
| 11 | 16 | | | Q 214 | | E | 0 | 8 | 0 | 82 | 1.6 |
| 12 | 14.4 | | | E | 0 | C | 3 | 9 | 0 | 83 | 1.6 |
| TU 001 | | | | C | 0 | B | -1.5 | 10 | 0 | 84 | 1.6 |
| 1 | 18 | | | Q 482 | | E | 0 | 11 | 1.4 | 85 | 1.6 |
| 2 | 3.2 | | | E | 0 | C | 0.4 | 12 | 1.4 | 86 | 1.6 |
| 3 | 0 | | | Q 463 | | E | 0 | 13 | 0 | 87 | 1.6 |
| 4 | 4.5 | | | B | 0 | C | 2.1 | 14 | 0 | 88 | 1.4 |
| 5 | 4.5 | | | Q 215 | | B | 0 | 15 | 3.2 | 89 | 1.3 |
| 6 | 0 | | | E | 2.1 | Q 501 | | 16 | 0 | 90 | 0 |
| 7 | 4.8 | | | C | 0 | 1 | 2.1 | 17 | 0 | 91 | 3.2 |
| 8 | 0 | | | B | 1.4 | S | 0 | 18 | 0 | 92 | 1.6 |
| 9 | 31.4 | | | Q 216 | | D | 39.8 | 19 | 0 | 93 | 1.5 |
| 10 | 0 | | | E | 3.8 | G | 1.4 | 20 | 0 | 94 | 0 |
| 11 | 2.5 | | | C | 8.8 | Q 521 | | 21 | 0 | 95 | 0.8 |
| 12 | 0 | | | B | 4.4 | E | 0 | 22 | 0 | 96 | 0.8 |
| 13 | 2.5 | | | Q 217 | | C | 138 | 23 | 0 | 97 | 1.7 |
| 14 | 0 | | | E | 2.8 | B | 0 | 24 | 3.3 | 98 | 1 |
| 15 | 4.9 | | | C | 8.8 | Q 581 | | 25 | 0 | 99 | 0.6 |
| 16 | 1.3 | | | B | 3.5 | E | 140.6 | 26 | 0.1 | 100 | 1 |
| 17 | 1.8 | | | Q 219 | | C | 0.1 | 27 | 0 | IC 002 | |
| 18 | 1.7 | | | E | 0 | B | 140.3 | 28 | 0 | 1 | 3.2 |
| 19 | 4.6 | | | Q 305 | | E | 0 | 29 | 0 | 2 | * |
| 20 | 4.5 | | | E | 1 | C | 2.1 | 30 | 0.6 | 3 | NC |
| 21 | 2 | | | C | 5.9 | B | 0 | 31 | 0.1 | 4 | 0 |
| 22 | 2.5 | | | B | 1.8 | Q 583 | | 32 | 0 | 5 | 0 |
| Q 001 | | | | Q 501 | | E | 0 | 33 | 0 | 6 | 2.4 |
| E | 2 | | | E | 0 | C | 0 | 34 | 0 | 7 | 0 |
| C | 4.6 | | | C | 12 | Q 581 | | 35 | 0 | 8 | 3.2 |
| B | 2.7 | | | B | -1.4 | E | 0 | 36 | 0 | 9 | 0 |
| Q 002 | | | | E | 1 | C | 2.1 | 37 | 1.4 | 10 | 0 |
| E | 3.9 | | | C | 5.8 | B | 0 | 38 | 1.5 | 11 | 0 |
| C | 8.9 | | | B | 1.8 | Q 583 | | 39 | 2.4 | 12 | 3.2 |
| B | 4.6 | | | Q 701 | | E | 0 | 40 | 0 | 13 | 3.2 |
| Q 101 | | | | E | 5.6 | C | 0.3 | 41 | 4.7 | 14 | 0 |
| E | 0 | | | C | 0 | B | 0.7 | 42 | 4.7 | 15 | 0 |
| C | 4.9 | | | B | 5.8 | PC 901 | | 43 | 4.7 | 16 | 0 |
| B | 0 | | | Q 702 | | 1 | 11.5 | 44 | 4.7 | 17 | 1.6 |
| Q 604 | | | | E | 0 | 2 | 10.5 | 45 | 0 | | |
| E | 5.3 | | | C | 3.3 | 3 | 0 | 46 | 2.3 | | |
| C | -1.8 | | | B | 0 | 4 | 2.6 | 47 | 5 | | |
| B | 5.8 | | | | | | | 48 | 2.5 | | |
| | | | | | | | | 49 | 0 | | |

WAVEFORMS

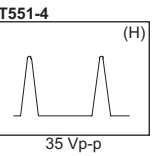
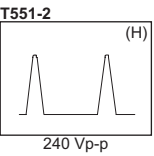
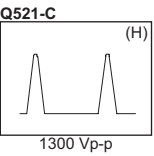
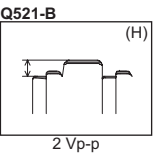
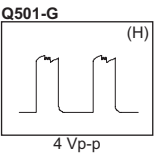
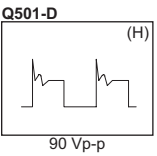
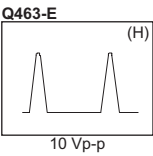
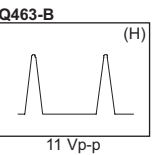
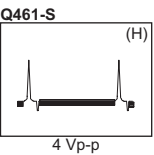
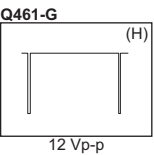
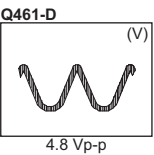
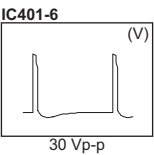
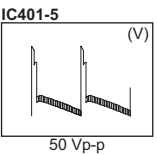
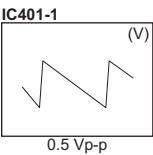
MAIN PWB(1/2)



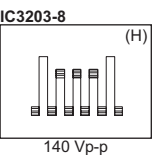
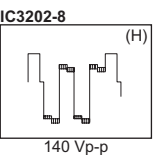
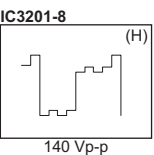
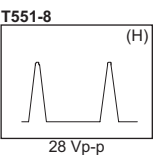
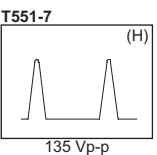
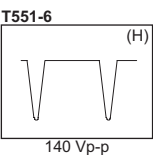
MAIN PWB(2/2)



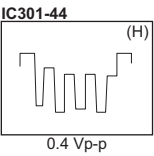
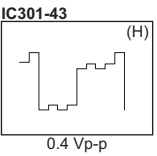
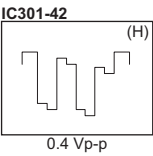
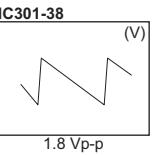
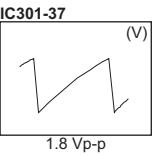
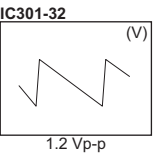
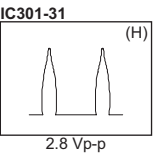
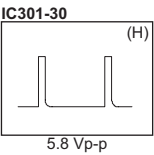
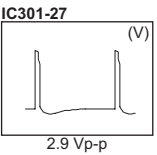
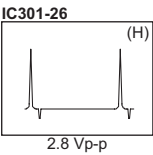
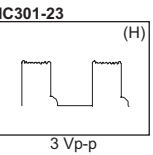
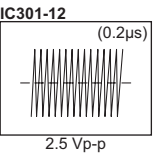
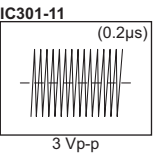
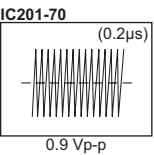
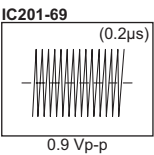
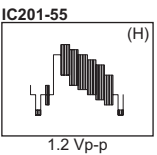
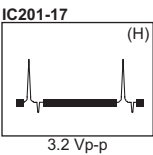
POWER & DEF PWB



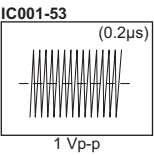
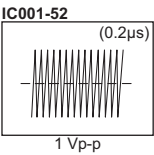
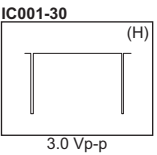
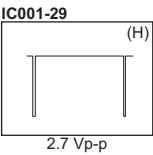
CRT SOCKET PWB



100Hz PWB(1/2)



100Hz PWB(2/2)





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VPT

PARTS LIST

CAUTION

- The parts identified by the Δ symbol are important for the safety . Whenever replacing these parts, be sure to use specified ones to secure the safety.
- The parts not indicated in this Parts List and those which are filled with lines --- in the Parts No. columns will not be supplied.
- P.W. BOARD Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied.

ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

| RESISTORS | | CAPACITORS | |
|-----------|--|-----------------|---|
| CR | Carbon Resistor | C CAP. | Ceramic Capacitor |
| FR | Fusible Resistor | E CAP. | Electrolytic Capacitor |
| PR | Plate Resistor | M CAP. | Mylar Capacitor |
| VR | Variable Resistor | CH CAP. | Chip Capacitor |
| HV R | High Voltage Resistor | HV CAP. | High Voltage Capacitor |
| MF R | Metal Film Resistor | MF CAP. | Metalized Film Capacitor |
| MG R | Metal Glazed Resistor | MM CAP. | Metalized Mylar Capacitor |
| MP R | Metal Plate Resistor | MP CAP. | Metalized Polystyrol Capacitor |
| OM R | Metal Oxide Film Resistor | PP CAP. | Polypropylene Capacitor |
| CMF R | Coating Metal Film Resistor | PS CAP. | Polystyrol Capacitor |
| UNF R | Non-Flammable Resistor | TF CAP. | Thin Film Capacitor |
| CH V R | Chip Variable Resistor | MPP CAP. | Metalized Polypropylene Capacitor |
| CH MG R | Chip Metal Glazed Resistor | TAN. CAP. | Tantalum Capacitor |
| COMP. R | Composition Resistor | CH C CAP. | Chip Ceramic Capacitor |
| LPTC R | Linear Positive Temperature Coefficient Resistor | BP E CAP. | Bi-Polar Electrolytic Capacitor |
| | | CH AL E CAP. | Chip Aluminum Electrolytic Capacitor |
| | | CH AL BP CAP. | Chip Aluminum Bi-Polar Capacitor |
| | | CH TAN. E CAP. | Chip Tantalum Electrolytic Capacitor |
| | | CH AL BP E CAP. | Chip Tantalum Bi-Polar Electrolytic Capacitor |

| RESISTORS | | | | | | | | | |
|-----------|-----|-----|------|------|------|--------------|--------------|--------------|--------------|
| F | G | J | K | M | N | R | H | Z | P |
| ±1% | ±2% | ±5% | ±10% | ±20% | ±30% | +30% -10% | +50% -10% | +80% -20% | +100% -0% |

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USING P.W. BOARD & REMOTE CONTROL UNIT

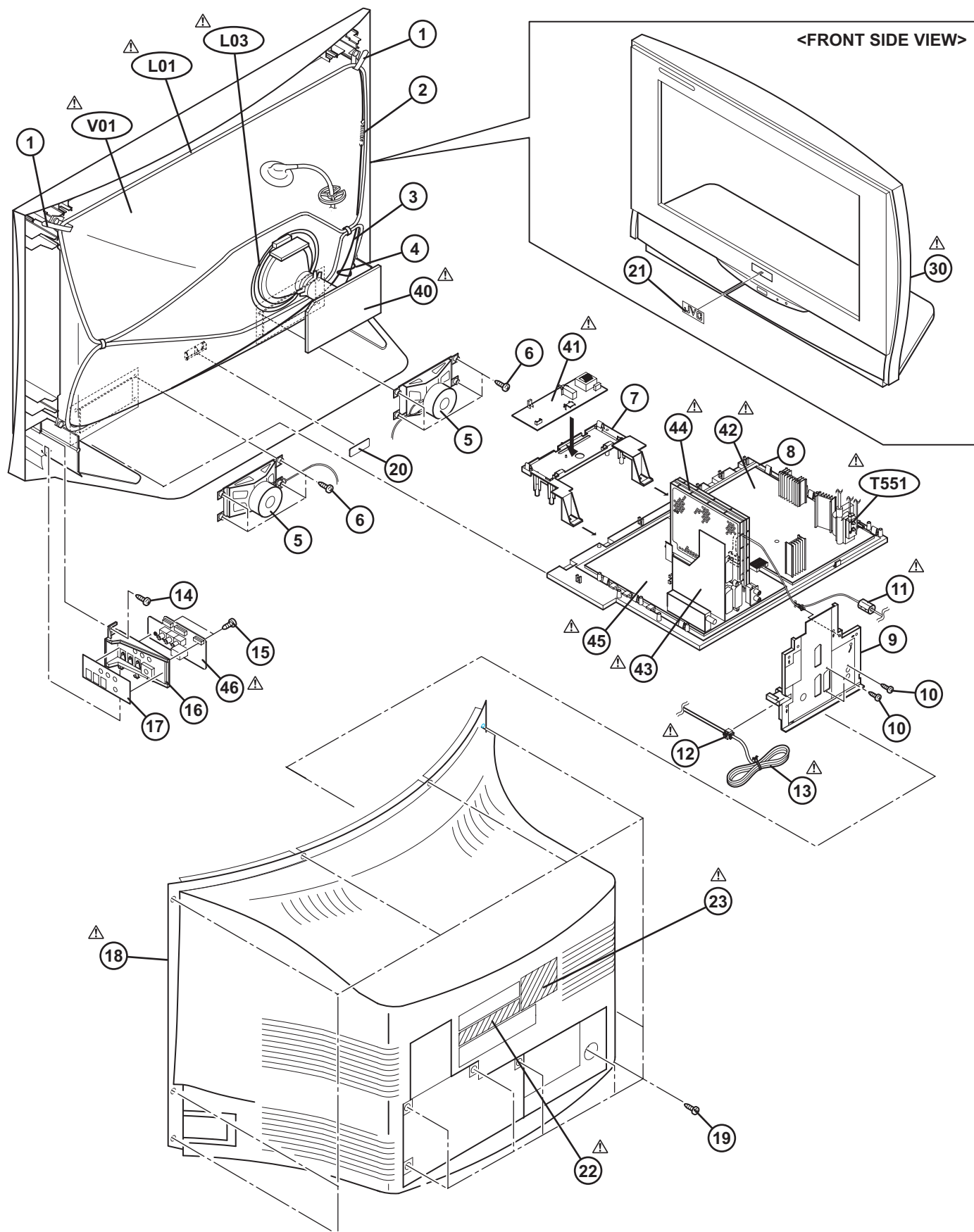
| P.W.B ASS'Y name | AV-28H5BU | AV-28H5BL | AV-28H5SK | AV-28H5SL | AV-28H5SR | AV-28H5SU | AV-28H50SU |
|---------------------|--------------|-----------|--------------|--------------|--------------|--------------|--------------|
| MAIN P.W.B | SML-1302A-U2 | ← | SML-1932A-U2 | SML-1302A-U2 | ← | ← | ← |
| POWER & DEF P.W.B | SML-2302A-S2 | ← | ← | ← | SML-2302A-U2 | SML-2302A-S2 | ← |
| CRT SOCKET P.W.B | SML-3302A-U2 | ← | ← | ← | ← | ← | ← |
| SIDE CONTROL P.W.B | SML-8131A-U2 | ← | ← | ← | ← | ← | SML-8133A-U2 |
| FRONT CONTROL P.W.B | SML-8301A-U2 | ← | ← | ← | ← | ← | SML-8302A-U2 |
| AV JACK P.W.B | SML0J301A-U2 | ← | ← | ← | ← | ← | ← |
| 100HZ P.W.B | SML0Z301A-U2 | ← | ← | ← | ← | ← | ← |
| REMOTE CONTROL UNIT | RM-C1502B-1C | ← | RM-C1502-1C | ← | ← | ← | ← |

| P.W.B ASS'Y name | AV-32H5BU | AV-32H5SK | AV-32H5SR | AV-32H5SU | AV-32H50SU | AV-32H57SU |
|---------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| MAIN P.W.B | SML-1301A-U2 | SML-1931A-U2 | SML-1301A-U2 | ← | ← | ← |
| POWER & DEF P.W.B | SML-2301A-S2 | ← | SML-2301A-U2 | SML-2301A-S2 | ← | SML-2301A-U2 |
| CRT SOCKET P.W.B | SML-3301A-U2 | ← | ← | ← | ← | ← |
| SIDE CONTROL P.W.B | SML-8131A-U2 | ← | ← | ← | SML-8133A-U2 | ← |
| FRONTCONTROL P.W.B | SML-8301A-U2 | ← | ← | ← | SML-8302A-U2 | ← |
| AV JACK P.W.B | SML0J301A-U2 | ← | ← | ← | ← | ← |
| 100HZ P.W.B | SML0Z301A-U2 | ← | ← | ← | ← | ← |
| REMOTE CONTROL UNIT | RM-C1502B-1C | RM-C1502-1C | ← | RM-C1502-1C | ← | ← |

EXPLODED VIEW PARTS LIST -1

| △ | Ref.No. | Part No. | Part Name | Description | Local |
|---|---------|----------------|--------------------|------------------------|---|
| △ | V01 | W66QDE993X996 | ITC | Inc.DEF YOKE/PC MAGNET | AV-28H5BL,AV-28H5BU,AV-28H5SK,AV-28H5SL,AV-28H5SR,AV-28H5SU |
| △ | V01 | W76QEN693X100 | ITC | Inc.DEF YOKE/PC MAGNET | AV-32H5BU,AV-32H5SK,AV-32H5SR,AV-32H5SU |
| △ | L01 | QQW0168-002 | DEG COIL | | AV-28H5BL,AV-28H5BU,AV-28H5SK,AV-28H5SL,AV-28H5SR,AV-28H5SU |
| △ | L01 | QQW0169-001 | DEG COIL | | AV-32H5BU,AV-32H5SK,AV-32H5SR,AV-32H5SU |
| △ | L03 | QQW0130-001 | ROTATION COIL | | AV-28H5BL,AV-28H5BU,AV-28H5SK,AV-28H5SL,AV-28H5SR,AV-28H5SU |
| △ | T551 | QQH0181-001 | FB TRANSF | | AV-28H5BL,AV-28H5BU,AV-28H5SK,AV-28H5SL,AV-28H5SR,AV-28H5SU,AV-32H5BU,AV-32H5SK,AV-32H5SR,AV-32H5SU |
| | 1 | LC30628-002A | DEG CLAMP | (x4) | AV-28H5BL,AV-28H5BU,AV-28H5SK,AV-28H5SL,AV-28H5SR,AV-28H5SU,AV-32H5BU,AV-32H5SK,AV-32H5SR,AV-32H5SU |
| | 2 | LC32668-001A | SPRING | | AV-28H5BL,AV-28H5BU,AV-28H5SK,AV-28H5SL,AV-28H5SR,AV-28H5SU,AV-32H5BU,AV-32H5SK,AV-32H5SR,AV-32H5SU |
| | 3 | WJY0021-001B-E | BRAIDED ASSY | | AV-28H5BL,AV-28H5BU,AV-28H5SK,AV-28H5SL,AV-28H5SR |
| | 3 | WJY0021-001B | BRAIDED ASSY | | AV-28H5SU |
| | 3 | WJY0021-002B-E | BRAIDED ASSY | | AV-32H5BU,AV-32H5SK,AV-32H5SR |
| | 3 | WJY0021-002B | BRAIDED ASSY | | AV-32H5SU |
| | 4 | WJY0013-002A-E | BRAIDED ASSY | | AV-28H5BL,AV-28H5BU,AV-28H5SK,AV-28H5SL,AV-28H5SR,AV-32H5BU,AV-32H5SK,AV-32H5SR |
| | 4 | WJY0013-002A | BRAIDED ASSY | | AV-28H5SU,AV-32H5SU |
| | 5 | QAS0326-001 | SPEAKER | SP01/SP02(x2) | AV-28H5BL,AV-28H5BU,AV-28H5SK,AV-28H5SL,AV-28H5SR,AV-28H5SU,AV-32H5BU,AV-32H5SK,AV-32H5SR,AV-32H5SU |
| | 6 | QYSBSAG4016NA | TAP SCREW | M4 x 16mm(x4) | AV-28H5BL,AV-28H5BU,AV-28H5SK,AV-28H5SL,AV-28H5SR,AV-28H5SU,AV-32H5BU,AV-32H5SK,AV-32H5SR,AV-32H5SU |
| | 7 | LC11795-003B-U | CONTROL BASE | | AV-28H5BL,AV-28H5BU,AV-28H5SK,AV-28H5SL,AV-28H5SR,AV-28H5SU |
| | 7 | LC11795-004B-U | CONTROL BASE | | AV-32H5BU,AV-32H5SK,AV-32H5SR,AV-32H5SU |
| | 8 | LC10716-002J-U | CHASSIS BASE | | AV-28H5BL,AV-28H5BU,AV-28H5SK,AV-28H5SL,AV-28H5SR,AV-28H5SU,AV-32H5BU,AV-32H5SK,AV-32H5SR,AV-32H5SU |
| | 9 | LC11561-002B-U | AV TRMINAL BOARD | | AV-28H5BL,AV-28H5BU,AV-32H5BU |
| | 9 | LC11561-001B-U | AV TERMINAL BOARD | | AV-28H5SK,AV-28H5SL,AV-28H5SR,AV-28H5SU,AV-32H5SK,AV-32H5SR,AV-32H5SU |
| | 10 | QYSBSF3012MA | TAP SCREW | M3 x 12mm(x3) | AV-28H5BL,AV-28H5BU,AV-28H5SK,AV-28H5SL,AV-28H5SR,AV-28H5SU,AV-32H5BU,AV-32H5SK,AV-32H5SR,AV-32H5SU |
| △ | 11 | QQR0491-001 | FERRITE CORE | | AV-28H5BL,AV-28H5BU,AV-28H5SK,AV-28H5SL,AV-28H5SR,AV-28H5SU,AV-32H5BU,AV-32H5SK,AV-32H5SR,AV-32H5SU |
| △ | 12 | CM46618-A01-E | POWER CORD CLMP | | AV-28H5BL,AV-28H5BU,AV-28H5SK,AV-28H5SL,AV-28H5SR,AV-28H5SU,AV-32H5BU,AV-32H5SK,AV-32H5SR,AV-32H5SU |
| △ | 13 | QMPN130-185-JC | POWER CORD(EU) | 1.85m BLACK | AV-28H5SK,AV-28H5SR,AV-32H5SK,AV-32H5SR |
| △ | 13 | QMPK160-185-JC | POWER CORD(EU) | 1.85m BLACK | AV-28H5BL,AV-28H5BU,AV-28H5SL,AV-28H5SU,AV-32H5BU,AV-32H5SU |
| | 14 | QYSBSAG4016NA | TAP SCREW | M4 x 16mm | AV-28H5BL,AV-28H5BU,AV-28H5SK,AV-28H5SL,AV-28H5SR,AV-28H5SU,AV-32H5BU,AV-32H5SK,AV-32H5SR,AV-32H5SU |
| | 15 | QYSBSFG3010ZA | TAP SCREW | M3 x 10mm(x2) | AV-28H5BL,AV-28H5BU,AV-28H5SK,AV-28H5SL,AV-28H5SR,AV-28H5SU,AV-32H5BU,AV-32H5SK,AV-32H5SR,AV-32H5SU |
| | 16 | LC11825-002B-U | SIDE CONTROL BASE | | AV-28H5BL,AV-28H5BU,AV-28H5SK,AV-28H5SL,AV-28H5SR,AV-28H5SU,AV-32H5BU,AV-32H5SK,AV-32H5SR,AV-32H5SU |
| | 17 | LC32584-001A-C | CONTROL SHEET | | AV-28H5BL,AV-28H5BU,AV-28H5SK,AV-28H5SL,AV-28H5SR,AV-28H5SU,AV-32H5BU,AV-32H5SK,AV-32H5SR,AV-32H5SU |
| △ | 18 | LC11707-003C-U | REAR COVER | | AV-28H5BL,AV-28H5BU |
| △ | 18 | LC11707-001C-U | REAR COVER | | AV-28H5SK,AV-28H5SL,AV-28H5SR,AV-28H5SU |
| △ | 18 | LC11770-003B-U | REAR COVER | | AV-32H5BU |
| △ | 18 | LC11770-001B-U | REAR COVER | | AV-32H5SK,AV-32H5SR,AV-32H5SU |
| | 19 | QYSBSAG4016NA | TAP SCREW | M4 x 16mm(x13) | AV-28H5BL,AV-28H5BU,AV-28H5SK,AV-28H5SL,AV-28H5SR,AV-28H5SU,AV-32H5BU,AV-32H5SK,AV-32H5SR,AV-32H5SU |
| | 20 | LC33060-001C-C | WINDOW | | AV-28H5BL,AV-28H5BU,AV-28H5SK,AV-28H5SL,AV-28H5SR,AV-28H5SU,AV-32H5BU,AV-32H5SK,AV-32H5SR,AV-32H5SU |
| | 21 | LC41852-001A | JVC MARK ASSY | | AV-28H5BL |
| △ | 22 | LC12098-022A-U | RATING LABEL | | AV-28H5BU |
| △ | 22 | LC12098-006A-U | RATING LABEL | | AV-28H5SK |
| △ | 22 | LC11364-086A-U | RATING LABEL | | AV-28H5SL |
| △ | 22 | LC12098-021A-U | RATING LABEL | | AV-28H5SR |
| △ | 22 | LC12394-001A-U | RATING LABEL | | AV-28H5SU |
| △ | 22 | LC12098-005A-U | RATING LABEL | | AV-32H5BU |
| △ | 22 | LC12097-003A-U | RATING LABEL | | AV-32H5SK |
| △ | 22 | LC11364-085A-U | RATING LABEL | | AV-32H5SR |
| △ | 22 | LC12394-002A-U | RATING LABEL | | AV-32H5SU |
| △ | 22 | LC12097-002A-U | RATING LABEL | | AV-28H5BU,AV-28H5SK,AV-28H5SU,AV-32H5BU,AV-32H5SK,AV-32H5SR |
| △ | 23 | LC30789-002B-U | WARNING LABEL | | AV-28H5BU,AV-28H5SK,AV-28H5SU,AV-32H5BU,AV-32H5SK,AV-32H5SU |
| △ | 30 | LC12186-002A-U | FRONT CABINET ASSY | | AV-28H5BL,AV-28H5BU |
| △ | 30 | LC12186-001A-U | FRONT CABINET ASSY | | AV-28H5SK,AV-28H5SL,AV-28H5SR,AV-28H5SU |
| △ | 30 | LC12184-002A-U | FRONT CABINET ASSY | | AV-32H5BU |
| △ | 30 | LC12184-001A-U | FRONT CABINET ASSY | | AV-32H5SK,AV-32H5SR,AV-32H5SU |
| △ | 40 | SML-3302A-U2 | CRT SOCKET PWB | | AV-28H5BL,AV-28H5BU,AV-28H5SK,AV-28H5SL,AV-28H5SR,AV-28H5SU |
| △ | 40 | SML-3301A-U2 | CRT SOCKET PWB | | AV-32H5BU,AV-32H5SK,AV-32H5SR,AV-32H5SU |
| △ | 41 | SML-8301A-U2 | FRONT CONTROL PWB | | AV-28H5BL,AV-28H5BU,AV-28H5SK,AV-28H5SL,AV-28H5SR,AV-28H5SU,AV-32H5BU,AV-32H5SK,AV-32H5SR,AV-32H5SU |
| △ | 42 | SML-2302A-U2 | POWER & DEF PWB | | AV-28H5SR |
| △ | 42 | SML-2302A-S2 | POWER & DEF PWB | | AV-28H5BL,AV-28H5BU,AV-28H5SK,AV-28H5SL,AV-28H5SU |
| △ | 42 | SML-2301A-U2 | POWER & DEF PWB | | AV-32H5SR |
| △ | 42 | SML-2301A-S2 | POWER & DEF PWB | | AV-32H5BU,AV-32H5SK,AV-32H5SU |
| △ | 43 | SML0J301A-U2 | AV JACK PWB | | AV-28H5BL,AV-28H5BU,AV-28H5SK,AV-28H5SL,AV-28H5SR,AV-28H5SU,AV-32H5BU,AV-32H5SK,AV-32H5SR,AV-32H5SU |
| △ | 44 | SML0Z301A-U2 | 100HZ PB | | AV-28H5BL,AV-28H5BU,AV-28H5SK,AV-28H5SL,AV-28H5SR,AV-28H5SU,AV-32H5BU,AV-32H5SK,AV-32H5SR,AV-32H5SU |
| △ | 45 | SML-1932A-U2 | MAIN PWB | | AV-28H5SK |
| △ | 45 | SML-1302A-U2 | MAIN PWB | | AV-28H5BL,AV-28H5BU,AV-28H5SL,AV-28H5SR,AV-28H5SU |
| △ | 45 | SML-1931A-U2 | MAIN PWB | | AV-32H5SK |
| △ | 45 | SML-1301A-U2 | MAIN PWB | | AV-32H5BU,AV-32H5SR,AV-32H5SU |
| △ | 46 | SML-8131A-U2 | SIDE CONTROL PWB | | AV-28H5BL,AV-28H5BU,AV-28H5SK,AV-28H5SL,AV-28H5SR,AV-28H5SU,AV-32H5BU,AV-32H5SK,AV-32H5SR,AV-32H5SU |

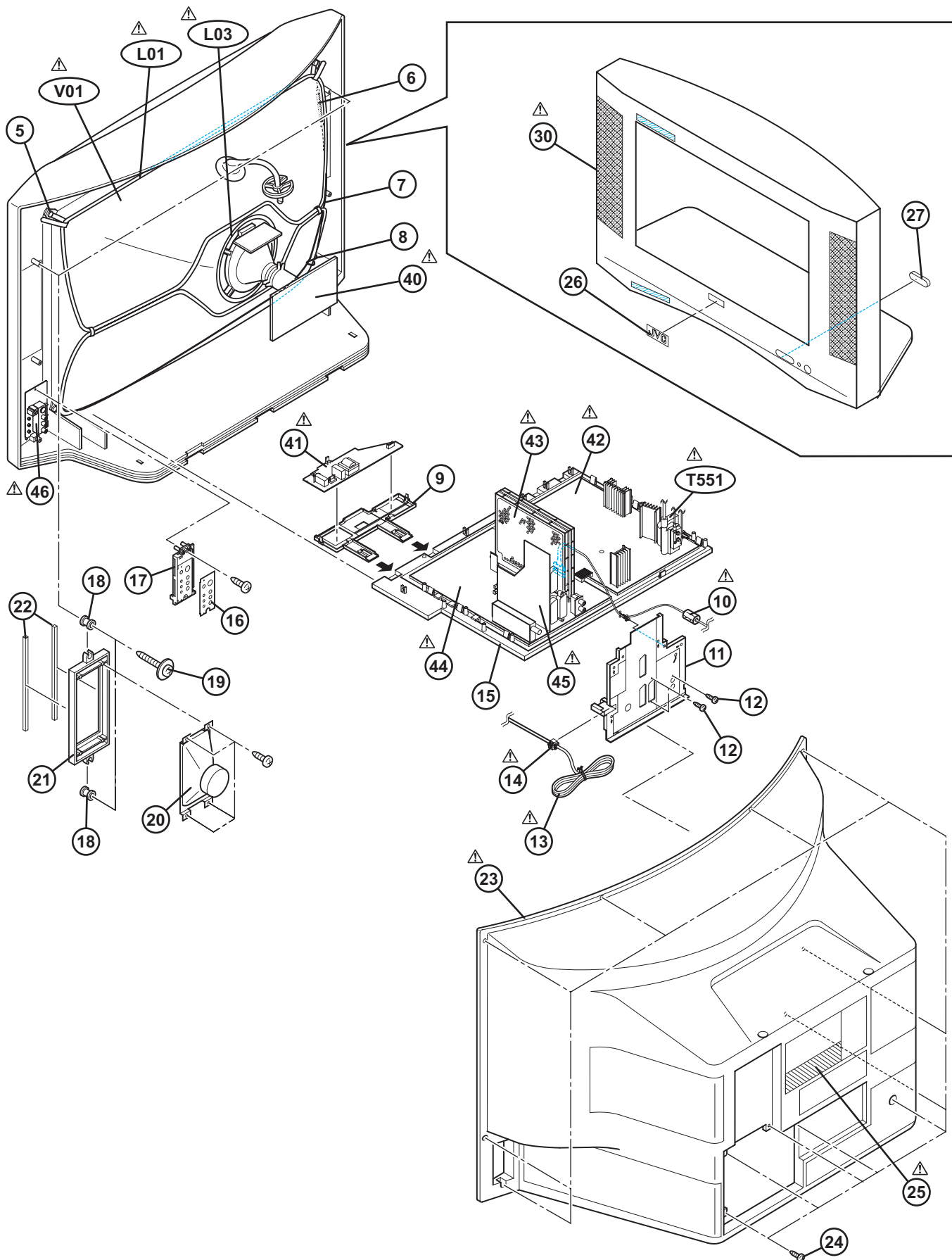
EXPLODED VIEW -1



EXPLODED VIEW PARTS LIST -2

| △ | Ref.No. | Part No. | Part Name | Description | Local |
|---|---------|----------------|--------------------|------------------------|----------------------------------|
| △ | V01 | W66QDE993X996 | ITC | Inc.DEF YOKE/PC MAGNET | AV-28H50SU |
| △ | V01 | W76QEN693X100 | ITC | Inc.DEF YOKE/PC MAGNET | AV-32H50SU |
| △ | V01 | W76QEN691X100 | ITC | Inc.DEF YOKE/PC MAGNET | AV-32H57SU |
| △ | L01 | QQW0168-002 | DEG COIL | | AV-28H50SU |
| △ | L01 | QQW0169-001 | DEG COIL | | AV-32H50SU,AV-32H57SU |
| △ | L03 | QQW0130-001 | ROTATION COIL | | AV-28H50SU |
| △ | T551 | QQH0181-001 | FB TRANSF | | AV-28H50SU,AV-32H50SU,AV-32H57SU |
| | 5 | LC30628-002A | DEG CLAMP | (x4) | AV-28H50SU,AV-32H50SU,AV-32H57SU |
| | 6 | AEM3149-001-E | SPRING | | AV-32H50SU |
| | 6 | GA30013-001A-U | SPRING | | AV-28H50SU,AV-32H57SU |
| | 7 | WJY0021-001B-E | BRAIDED ASSY | | AV-28H50SU |
| | 7 | WJY0021-002B | BRAIDED ASSY | | AV-32H50SU |
| | 7 | WJY0021-002B-E | BRAIDED ASSY | | AV-32H57SU |
| | 8 | WJY0013-002A | BRAIDED ASSY | | AV-32H50SU |
| | 8 | WJY0013-002A-E | BRAIDED ASSY | | AV-28H50SU,AV-32H57SU |
| | 9 | LC11311-001B-U | CONTROL BASE | | AV-28H50SU |
| | 9 | LC11311-002A-U | CONTROL BASE | | AV-32H50SU,AV-32H57SU |
| △ | 10 | QQR0491-001 | FERRITE CORE | | AV-28H50SU,AV-32H50SU,AV-32H57SU |
| | 11 | LC11561-001B-U | AV TERMINAL BOARD | | AV-28H50SU,AV-32H50SU,AV-32H57SU |
| | 12 | QYSBSF3012MA | TAP SCREW | M3 x 12mm(x3) | AV-28H50SU,AV-32H50SU,AV-32H57SU |
| △ | 13 | QMPK160-185-JC | POWER CORD(EU) | 1.85m BLACK | AV-28H50SU,AV-32H50SU,AV-32H57SU |
| △ | 14 | CM46618-A01-E | POWER CORD CLMP | | AV-28H50SU,AV-32H50SU,AV-32H57SU |
| | 15 | LC10716-002J-U | CHASSIS BASE | | AV-28H50SU,AV-32H50SU,AV-32H57SU |
| | 16 | LC32585-002A-C | CONTROL SHEET | | AV-28H50SU,AV-32H50SU,AV-32H57SU |
| | 17 | LC11824-001B-U | SIDE CONTROL BASE | | AV-28H50SU,AV-32H50SU,AV-32H57SU |
| | 18 | LC40226-003A-H | SPACER | (x4) | AV-28H50SU,AV-32H50SU,AV-32H57SU |
| | 19 | LC40506-002A | TAPPING SCREW | (x4) | AV-28H50SU,AV-32H50SU,AV-32H57SU |
| | 20 | QAS0135-001 | SPEAKER | SP01/SP02(x2) | AV-32H50SU |
| | 20 | QAS0348-001 | SPEAKER | SP01/SP02(x2) | AV-28H50SU,AV-32H57SU |
| | 21 | LC11310-002A-U | SPEAKER ADAPTER | (x2) | AV-28H50SU,AV-32H50SU,AV-32H57SU |
| | 22 | AEM4111-001A-U | SPONGE | (x4) | AV-28H50SU,AV-32H50SU,AV-32H57SU |
| △ | 23 | LC11282-001D-U | REAR COVER | | AV-28H50SU |
| △ | 23 | LC11316-002B-U | REAR COVER | | AV-32H50SU,AV-32H57SU |
| | 24 | QYSBSAG4016NA | TAP SCREW | M4 x 16mm(x13) | AV-28H50SU |
| | 24 | QYSBSAG4016NA | TAP SCREW | M4 x 16mm(x4) | AV-32H50SU,AV-32H57SU |
| △ | 25 | LC12098-013A-U | RATING LABEL | | AV-28H50SU |
| △ | 25 | LC12098-012A-U | RATING LABEL | | AV-32H50SU |
| △ | 25 | LC12098-014A-U | RATING LABEL | | AV-32H57SU |
| | 26 | LC41250-002C-C | JVC MARK | | AV-28H50SU,AV-32H50SU |
| | 26 | LC41522-002C | JVC MARK | | AV-32H57SU |
| | 27 | LC31851-001B-C | WINDOW | | AV-28H50SU,AV-32H50SU |
| | 27 | LC32229-001B-C | WINDOW | | AV-32H57SU |
| △ | 30 | LC11313-007C-U | FRONT CABINET ASSY | | AV-28H50SU |
| △ | 30 | LC11360-007C-U | FRONT CABINET ASSY | | AV-32H50SU |
| △ | 30 | LC11563-001C-U | FRONT CABINET ASSY | | AV-32H57SU |
| △ | 40 | SML-3302A-U2 | CRT SOCKET PWB | | AV-28H50SU |
| △ | 40 | SML-3301A-U2 | CRT SOCKET PWB | | AV-32H50SU,AV-32H57SU |
| △ | 41 | SML-8302A-U2 | FRONT CONTROL PWB | | AV-28H50SU,AV-32H50SU,AV-32H57SU |
| △ | 42 | SML-2302A-S2 | POWER & DEF PWB | | AV-28H50SU |
| △ | 42 | SML-2301A-S2 | POWER & DEF PWB | | AV-32H50SU |
| △ | 42 | SML-2301A-U2 | POWER & DEFPWB | | AV-32H57SU |
| △ | 43 | SML0Z301A-U2 | 100HZ PWB | | AV-28H50SU,AV-32H50SU,AV-32H57SU |
| △ | 44 | SML-1302A-U2 | MAIN PWB | | AV-28H50SU |
| △ | 44 | SML-1301A-U2 | MAIN PWB | | AV-32H50SU,AV-32H57SU |
| △ | 44 | SML-8133A-U2 | SIDE CONTROL PWB | | AV-32H50SU,AV-32H57SU |
| △ | 45 | SML0J301A-U2 | AV JACK PWB | | AV-28H50SU,AV-32H50SU,AV-32H57SU |
| △ | 46 | SML-8133A-U2 | SIDE CONTROL PWB | | AV-28H50SU |

EXPLODED VIEW -2



PRINTED WIRING BOARD PARTS LIST

[AV-28H5BU, AV-28H5BL, AV-28H5SL, AV-28H5SU]

MAIN P.W. BOARD ASS'Y (SML-1302A-U2)

| △Ref No. | Part No. | Part Name | Description | Local | △Ref No. | Part No. | Part Name | Description | Local |
|----------|-----------------|-----------------|---------------|-------|----------|--------------|----------------|---------------|-------|
| IC101 | MSP3415GQGB8V3M | IC | | | C013 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| IC201 | CXA2089Q-X | IC | | | C101 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| IC501 | LM324D-X | IC | | | C102 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| IC551 | LA6515 | IC | | | C103 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| IC601 | AN5277 | IC | | | C104 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M | |
| IC701 | ATE32-28H5BU | IC | (SERVICE) | | C105 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| IC901 | AN78L08-T | IC | | | C106 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| IC902 | MM1565AF-X | IC | | | C107 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M | |
| IC903 | L7809CP | IC | | | C108 | QETN1HM-105Z | E CAPACITOR | 1uF 50V M | |
| Q001 | 2SC3928A/QR/-X | TRANSISTOR | | | C109 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| Q002 | 2SC3928A/QR/-X | TRANSISTOR | | | C110 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| Q101 | UN2213-X | DIGI TRANSISTOR | | | C111 | NCB21CK-105X | C CAPACITOR | 1uF 16V K | |
| Q201 | 2SC3928A/QR/-X | TRANSISTOR | | | C112 | NCB21CK-105X | C CAPACITOR | 1uF 16V K | |
| Q202 | 2SC3928A/QR/-X | TRANSISTOR | | | C113 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| Q207 | UN2226-X | DIGI TRANSISTOR | | | C114 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| Q210 | 2SA1530A/QR/-X | TRANSISTOR | | | C115 | NDC31HJ-102X | C CAPACITOR | 1000pF 50V J | |
| Q211 | UN2226-X | DIGI TRANSISTOR | | | C116 | NDC31HJ-102X | C CAPACITOR | 1000pF 50V J | |
| Q212 | 2SA1530A/QR/-X | TRANSISTOR | | | C117 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| Q213 | UN2226-X | DIGI TRANSISTOR | | | C118 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| Q214 | UN2226-X | DIGI TRANSISTOR | | | C119 | NDC31HJ-2R0X | C CAPACITOR | 2pF 50V J | |
| Q215 | KTA1267/YG/-T | TRANSISTOR | | | C120 | NDC31HJ-2R0X | C CAPACITOR | 2pF 50V J | |
| Q216 | 2SC3928A/QR/-X | TRANSISTOR | | | C121 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| Q217 | KTC3199/YG/-T | TRANSISTOR | | | C122 | NDC31HJ-102X | C CAPACITOR | 1000pF 50V J | |
| Q219 | 2SC3928A/QR/-X | TRANSISTOR | | | C123 | NDC31HJ-102X | C CAPACITOR | 1000pF 50V J | |
| Q305 | KTC3199/YG/-T | TRANSISTOR | | | C124 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| Q501 | 2SC3928A/QR/-X | TRANSISTOR | | | C201 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| Q502 | 2SC3928A/QR/-X | TRANSISTOR | | | C202 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| Q604 | 2SA1530A/QR/-X | TRANSISTOR | | | C203 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| Q605 | 2SC3928A/QR/-X | TRANSISTOR | | | C204 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z | |
| Q606 | 2SC3928A/QR/-X | TRANSISTOR | | | C205 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z | |
| Q609 | 2SA1530A/QR/-X | TRANSISTOR | | | C206 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| Q610 | UN2226-X | DIGI TRANSISTOR | | | C207 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z | |
| Q611 | UN2226-X | DIGI TRANSISTOR | | | C209 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z | |
| Q701 | 2SA1530A/QR/-X | TRANSISTOR | | | C210 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| Q702 | 2SC3928A/QR/-X | TRANSISTOR | | | C213 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z | |
| D201 | UDZS12B-X | Z DIODE | | | C215 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| D202 | UDZS12B-X | Z DIODE | | | C216 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z | |
| D203 | UDZS12B-X | Z DIODE | | | C220 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| D204 | UDZS12B-X | Z DIODE | | | C221 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| D205 | UDZS12B-X | Z DIODE | | | C222 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| D206 | UDZS12B-X | Z DIODE | | | C223 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z | |
| D207 | UDZS12B-X | Z DIODE | | | C224 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z | |
| D208 | UDZS12B-X | Z DIODE | | | C225 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| D209 | UDZS12B-X | Z DIODE | | | C226 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| D210 | UDZS12B-X | Z DIODE | | | C227 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| D211 | UDZS12B-X | Z DIODE | | | C228 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| D212 | UDZS12B-X | Z DIODE | | | C229 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| D213 | UDZS15B-X | Z DIODE | | | C230 | QENC1EM-106Z | BP E CAPACITOR | 10uF 25V M | |
| D214 | UDZS15B-X | Z DIODE | | | C231 | QENC1EM-106Z | BP E CAPACITOR | 10uF 25V M | |
| D501 | 1SS355-X | SI DIODE | | | C232 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M | |
| D502 | 1SS355-X | SI DIODE | | | C233 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M | |
| D503 | 1SS355-X | SI DIODE | | | C234 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| D504 | 1SS355-X | SI DIODE | | | C235 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M | |
| D604 | 1SS355-X | SI DIODE | | | C236 | QETN1CM-477Z | E CAPACITOR | 470uF 16V M | |
| D605 | 1SS355-X | SI DIODE | | | C237 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z | |
| D606 | 1SS355-X | SI DIODE | | | C238 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z | |
| D607 | 1SS355-X | SI DIODE | | | C239 | QETN1CM-477Z | E CAPACITOR | 470uF 16V M | |
| D701 | UDZS5.6B-X | Z DIODE | 1.5kΩ 1/10W J | | C303 | QETN1CM-227Z | E CAPACITOR | 220uF 16V M | |
| D702 | UDZS5.6B-X | Z DIODE | 1.5kΩ 1/10W J | | C304 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| D703 | UDZS5.6B-X | Z DIODE | 1.5kΩ 1/10W J | | C308 | NCB31CK-224X | C CAPACITOR | 0.22uF 16V K | |
| D704 | UDZS5.6B-X | Z DIODE | 1.5kΩ 1/10W J | | C310 | NCB31CK-224X | C CAPACITOR | 0.22uF 16V K | |
| D705 | 1SS355-X | SI DIODE | | | C503 | NDC31HJ-102X | C CAPACITOR | 1000pF 50V J | |
| D981 | 1SS355-X | SI DIODE | | | C504 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| D982 | 1SS355-X | SI DIODE | | | C505 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| D983 | 1SS355-X | SI DIODE | | | C506 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C001 | NCB31HK-222X | C CAPACITOR | 2200pF 50V K | | C507 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C002 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | | C508 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M | |
| C004 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | C509 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C005 | QETN1CM-108Z | E CAPACITOR | 1000uF 16V M | | C510 | NCB31EK-333X | C CAPACITOR | 0.033uF 25V K | |
| C006 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | | C515 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C007 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | | C551 | NCF31CZ-224X | C CAPACITOR | 0.22uF 16V Z | |
| C008 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | C552 | NCF31CZ-224X | C CAPACITOR | 0.22uF 16V Z | |
| C009 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | | C553 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M | |
| C010 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z | | C554 | NCF31CZ-224X | C CAPACITOR | 0.22uF 16V Z | |
| C011 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | | C555 | NCF31CZ-224X | C CAPACITOR | 0.22uF 16V Z | |
| C012 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | | C561 | NDC31HJ-390X | C CAPACITOR | 39pF 50V J | |
| | | | | | C612 | NCB31HK-272X | C CAPACITOR | 2700pF 50V K | |
| | | | | | C613 | NCB31HK-272X | C CAPACITOR | 2700pF 50V K | |
| | | | | | C614 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| | | | | | C615 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| | | | | | C619 | QETM1VM-228 | E CAPACITOR | 2200uF 35V M | |

| △Ref No. | Part No. | Part Name | Description Local | △Ref No. | Part No. | Part Name | Description Local |
|----------|--------------|-------------|-------------------|----------|--------------|----------------|-------------------|
| C622 | QETN1EM-108Z | E CAPACITOR | 1000uF 25V M | R265 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| C623 | QETN1EM-108Z | E CAPACITOR | 1000uF 25V M | R266 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| C624 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | R267 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| C626 | QETN1EM-108Z | E CAPACITOR | 1000uF 25V M | R268 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| C627 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | R269 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| C629 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | R270 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| C630 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | R271 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| C631 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | R272 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| C632 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | R273 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| C633 | QETN1HM-107Z | E CAPACITOR | 100uF 50V M | R274 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| C636 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | R275 | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J |
| C637 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | R276 | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J |
| C701 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | R277 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| C702 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | R278 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| C711 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | R279 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| C901 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M | R280 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| C902 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K | R281 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| C903 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M | R282 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| C904 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z | R283 | QRG01GJ-101 | OMF RESISTOR | 100Ω 1W J |
| C905 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | R284 | QRK126J-181X | UNF C RESISTOR | 180Ω 1/2W J |
| C906 | NCB20JK-225X | C CAPACITOR | 2.2uF 6.3V K | R285 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| C907 | NDC31HJ-471X | C CAPACITOR | 470pF 50V J | R286 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| C908 | QETN1AM-477Z | E CAPACITOR | 470uF 10V M | R287 | QRK126J-151X | UNF C RESISTOR | 150Ω 1/2W J |
| C909 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | R288 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| C910 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M | R289 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R002 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R290 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R003 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R291 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R004 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R292 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J |
| R005 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R293 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R006 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | R294 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R007 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | R295 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R008 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | R296 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R009 | NRSA63J-681X | MG RESISTOR | 680Ω 1/16W J | R297 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R010 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | R298 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R011 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | R313 | QRK126J-331X | UNF C RESISTOR | 330Ω 1/2W J |
| R101 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R315 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R102 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R316 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J |
| R103 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | R317 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R201 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | R501 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R202 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | R502 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R205 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | R503 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R206 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | R504 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R208 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | R505 | NRSA63J-124X | MG RESISTOR | 120kΩ 1/16W J |
| R209 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | R506 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R210 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | R507 | NRSA63J-273X | MG RESISTOR | 27kΩ 1/16W J |
| R211 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | R509 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R212 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R510 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J |
| R213 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R511 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J |
| R214 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R512 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J |
| R215 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | R513 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R216 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | R514 | NRSA63J-392X | MG RESISTOR | 3.9kΩ 1/16W J |
| R217 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | R515 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R218 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | R516 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R220 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J | R517 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R221 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J | R518 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R222 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J | R519 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R226 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J | R520 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R227 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J | R521 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R229 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J | R523 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J |
| R232 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J | R524 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J |
| R233 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J | R525 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R234 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | R526 | NRSA63J-683X | MG RESISTOR | 68kΩ 1/16W J |
| R235 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | R527 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J |
| R236 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | R528 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R237 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | R529 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J |
| R238 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R530 | NRSA63J-105X | MG RESISTOR | 1MΩ 1/16W J |
| R239 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R531 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R240 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R532 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R241 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R533 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J |
| R242 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R536 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J |
| R243 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R537 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R244 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R551 | NRSA63J-124X | MG RESISTOR | 120kΩ 1/16W J |
| R245 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R552 | NRSA63J-100X | MG RESISTOR | 10Ω 1/16W J |
| R246 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R553 | NRSA63J-683X | MG RESISTOR | 68kΩ 1/16W J |
| R247 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R554 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| R249 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R555 | NRSA63J-154X | MG RESISTOR | 150kΩ 1/16W J |
| R251 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J | R556 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J |
| R253 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J | R557 | NRSA63J-100X | MG RESISTOR | 10Ω 1/16W J |
| R255 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J | R558 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| R258 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J | R559 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R259 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J | R560 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R260 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | R615 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R261 | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J | R616 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R262 | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J | R617 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J |
| R263 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | R620 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J |
| R264 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R621 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| | | | | R622 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |

| △Ref No. | Part No. | Part Name | Description | Local | △Ref No. | Part No. | Part Name | Description | Local |
|----------|-----------------|-----------------|--------------|---------|----------|----------------|----------------|------------------|-------|
| R625 | NRSA63J-183X | MG RESISTOR | 18kΩ | 1/16W J | D551 | FR105GT-T3 | SI DIODE | | |
| R629 | NRSA63J-103X | MG RESISTOR | 10kΩ | 1/16W J | D552 | FR105GT-T3 | SI DIODE | | |
| R630 | NRSA63J-273X | MG RESISTOR | 27kΩ | 1/16W J | D553 | FR105GT-T3 | SI DIODE | | |
| R631 | NRSA63J-473X | MG RESISTOR | 47kΩ | 1/16W J | D582 | MTZJ7.5B-T2 | Z DIODE | | |
| R632 | NRSA63J-822X | MG RESISTOR | 8.2kΩ | 1/16W J | D583 | MTZJ7.5S-T2 | Z DIODE | | |
| R635 | NRSA63J-822X | MG RESISTOR | 8.2kΩ | 1/16W J | D584 | FR105GT-T3 | SI DIODE | | |
| R637 | NRSA63J-473X | MG RESISTOR | 47kΩ | 1/16W J | D901 | D3SBA60 | DIODE | | |
| R638 | NRSA63J-103X | MG RESISTOR | 10kΩ | 1/16W J | D902 | FR107GT-T3 | SI DIODE | | |
| R639 | NRSA63J-103X | MG RESISTOR | 10kΩ | 1/16W J | D904 | FR105GT-T3 | SI DIODE | | |
| R640 | NRSA63J-681X | MG RESISTOR | 680Ω | 1/16W J | D905 | 1SS133-T2 | SI DIODE | | |
| R641 | NRSA63J-104X | MG RESISTOR | 100kΩ | 1/16W J | D906 | MTZJ27B-T2 | Z DIODE | | |
| R642 | NRSA63J-681X | MG RESISTOR | 680Ω | 1/16W J | D907 | 1SS133-T2 | SI DIODE | | |
| R643 | NRSA63J-473X | MG RESISTOR | 47kΩ | 1/16W J | D910 | MTZJ15B-T2 | Z DIODE | | |
| R644 | NRSA63J-0R0X | MG RESISTOR | 0Ω | 1/16W J | D911 | 1SS133-T2 | SI DIODE | | |
| R645 | NRSA63J-0R0X | MG RESISTOR | 0Ω | 1/16W J | D931 | S1WB/A/60-4101 | BRIDGE DIODE | | |
| R702 | NRSA63J-221X | MG RESISTOR | 220Ω | 1/16W J | D945 | 1SS133-T2 | SI DIODE | | |
| R703 | NRSA63J-221X | MG RESISTOR | 220Ω | 1/16W J | D951 | RU4AM-LFT2 | SI DIODE | | |
| R704 | NRSA63J-221X | MG RESISTOR | 220Ω | 1/16W J | D952 | RU4AM-LFT2 | SI DIODE | | |
| R705 | NRSA63J-221X | MG RESISTOR | 220Ω | 1/16W J | D953 | FR105GT-T3 | SI DIODE | | |
| R706 | NRSA63J-101X | MG RESISTOR | 100Ω | 1/16W J | D954 | HER202G-FL | SI DIODE | | |
| R707 | NRSA63J-101X | MG RESISTOR | 100Ω | 1/16W J | D956 | FSF05A20 | SI DIODE | | |
| R708 | NRSA63J-0R0X | MG RESISTOR | 0Ω | 1/16W J | D958 | MTZJ33B-T2 | Z DIODE | | |
| R709 | NRSA63J-222X | MG RESISTOR | 2.2kΩ | 1/16W J | D959 | 1SS133-T2 | SI DIODE | | |
| R710 | NRSA63J-104X | MG RESISTOR | 100kΩ | 1/16W J | D981 | 1SS133-T2 | SI DIODE | | |
| | | | | | D983 | 1SS133-T2 | SI DIODE | | |
| L001 | QQL244K-270Z | PEAKING COIL | 27uH | K | C404 | QFVF1HJ-104Z | MF CAPACITOR | 0.1uF 50V J | |
| L002 | QQL244K-100Z | PEAKING COIL | 10uH | K | C405 | QDC31HJ-820Z | C CAPACITOR | 82pF 50V J | |
| L003 | QQL244K-100Z | PEAKING COIL | 10uH | K | C406 | QETM1VM-108 | E CAPACITOR | 1000uF 35V M | |
| L101 | QQL244K-4R7Z | PEAKING COIL | 4.7uH | K | C408 | QETN1VM-337Z | E CAPACITOR | 330uF 35V M | |
| CN001 | QGB1505J1-35 | CONNECTOR | B-B (1-35) | | C409 | QFVF1HJ-474Z | MF CAPACITOR | 0.47uF 50V J | |
| CN002 | QGC2507C1-96 | CONNECTOR | (1-96) | | C410 | QFVF1HJ-474Z | MF CAPACITOR | 0.47uF 50V J | |
| CN003 | QGB1506L1-16 | CONNECTOR | B-B (1-16) | | C411 | QFLC2AJ-104Z | M CAPACITOR | 0.1uF 100V J | |
| CN004 | QGB1506L1-16 | CONNECTOR | B-B (1-16) | | C414 | QCB31HK-682Z | C CAPACITOR | 6800pF 50V K | |
| CN00B | QJK002-041614-E | SIN CR C-B WIRE | | | C415 | QDC31HJ-470Z | C CAPACITOR | 47pF 50V J | |
| J601 | QNN0596-001 | PIN JACK | AUDIO OUT | | C461 | QEZ0414-226 | BP E CAPACITOR | 22uF 50V M | |
| K001 | NQR0129-004X | FERRITE BEADS | | | C462 | QFN32DJ-152Z | M CAPACITOR | 1500pF 200V J | |
| K101 | NQR0389-003X | FERRITE BEADS | | | C463 | QFN32DJ-152Z | M CAPACITOR | 1500pF 200V J | |
| K102 | NQR0389-003X | FERRITE BEADS | | | C464 | QFVF1HJ-104Z | MF CAPACITOR | 0.1uF 50V J | |
| K551 | QQR0621-002Z | FERRITE BEADS | | | C465 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| K552 | QQR0621-002Z | FERRITE BEADS | | | C466 | QFP31HJ-272Z | PP CAPACITOR | 2700pF 50V J | |
| K601 | NQR0199-001X | FERRITE BEADS | | | C467 | QFLC1HJ-102Z | M CAPACITOR | 1000pF 50V J | |
| K602 | NQR0199-001X | FERRITE BEADS | | | C468 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M | |
| LC101 | NQR0431-001X | EMI FILTER | 0.22uF 50V Z | | C470 | QCS31HJ-470Z | C CAPACITOR | 47pF 50V J | |
| △TU001 | QAU0276-002 | TUNER | | | C471 | QFLC1HJ-103Z | M CAPACITOR | 0.01uF 50V J | |
| X101 | QAX0773-001Z | CRYSTAL | 18.432000MHz | | C481 | QETN1HM-105Z | E CAPACITOR | 1uF 50V M | |
| | | | | | C501 | QCB32HK-331Z | C CAPACITOR | 330pF 500V K | |
| | | | | | C502 | QFN32DK-103 | M CAPACITOR | 0.01uF 200V K | |
| | | | | | C503 | QFVF1HJ-224Z | MF CAPACITOR | 0.22uF 50V J | |
| | | | | | C521 | QFZ0122-112 | MPP CAPACITOR | 1100pF 1.8kV H | |
| | | | | | C522 | QFZ0196-113 | MPP CAPACITOR | 0.011uF 1.5kV H | |
| | | | | | C523 | QFN32DJ-393 | M CAPACITOR | 0.039uF 200V J | |
| | | | | | C524 | QFP32JJ-223 | PP CAPACITOR | 0.022uF 630V J | |
| | | | | | C526 | QFZ0197-204 | MPP CAPACITOR | 0.2uF 250V J | |
| | | | | | C527 | QFZ0197-124 | MPP CAPACITOR | 0.12uF 250V J | |
| | | | | | C529 | QFZ0197-154 | MPP CAPACITOR | 0.15uF 250V J | |
| | | | | | C530 | QCB32HK-561Z | C CAPACITOR | 560pF 500V K | |
| | | | | | C531 | QFZ0194-534 | MPP CAPACITOR | 0.53uF 250V J | |
| | | | | | C532 | QETM2CM-227 | E CAPACITOR | 220uF 160V M | |
| | | | | | C533 | QETN2EM-475Z | E CAPACITOR | 4.7uF 250V M | |
| | | | | | C541 | QFVF1HJ-105Z | MF CAPACITOR | 1uF 50V J | |
| | | | | | C551 | QCB32HK-152Z | C CAPACITOR | 1500pF 500V K | |
| | | | | | C552 | QETN1CM-108Z | E CAPACITOR | 1000uF 16V M | |
| | | | | | C553 | QCB32HK-152Z | C CAPACITOR | 1500pF 500V K | |
| | | | | | C554 | QETN1CM-108Z | E CAPACITOR | 1000uF 16V M | |
| | | | | | C556 | QETN2EM-106Z | E CAPACITOR | 10uF 250V M | |
| | | | | | C558 | QETN1CM-477Z | E CAPACITOR | 470uF 16V M | |
| | | | | | C581 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M | |
| | | | | | C582 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M | |
| | | | | | C583 | QETN2AM-106Z | E CAPACITOR | 10uF 100V M | |
| | | | | | C584 | QETN1AM-227Z | E CAPACITOR | 220uF 10V M | |
| | | | | | △C901 | QFZ9072-473 | MM CAPACITOR | 0.047uF AC250V K | |
| | | | | | △C902 | QFZ9072-104 | MM CAPACITOR | 0.1uF AC250V K | |
| | | | | | △C903 | QFZ9072-473 | MM CAPACITOR | 0.047uF AC250V K | |
| | | | | | △C904 | QCZ9054-472 | C CAPACITOR | 4700pF AC250V Z | |
| | | | | | △C905 | QCZ9054-472 | C CAPACITOR | 4700pF AC250V Z | |
| | | | | | △C906 | QCZ9054-472 | C CAPACITOR | 4700pF AC250V Z | |
| | | | | | C907 | QEZ0649-227 | E CAPACITOR | 220uF 400V M | |
| | | | | | C908 | QCB32HK-103 | C CAPACITOR | 0.01uF 500V K | |
| | | | | | C909 | QCZ0340-391 | C CAPACITOR | 390pF 2kV K | |
| | | | | | C910 | QETN1HM-476Z | E CAPACITOR | 47uF 50V M | |
| | | | | | C911 | QCB31HK-102Z | C CAPACITOR | 1000pF 50V K | |
| | | | | | C912 | QCZ0340-561 | C CAPACITOR | 560pF 2kV K | |
| | | | | | C914 | QCB31HK-471Z | C CAPACITOR | 470pF 50V K | |
| | | | | | C915 | QFLC1HJ-104Z | M CAPACITOR | 0.1uF 50V J | |
| | | | | | C916 | QCB32HK-152Z | C CAPACITOR | 1500pF 500V K | |
| | | | | | △C931 | QCZ9054-472 | C CAPACITOR | 4700pF AC250V Z | |

POWER & DEF P.W. BOARD ASS'Y (SML-2302A-S2)

| △Ref No. | Part No. | Part Name | Description | Local |
|----------|-----------------|-----------------|-------------|-------|
| IC401 | LA78041 | IC | | |
| IC461 | LM393P | IC | | |
| IC901 | STR-G9656-F3 | IC | | |
| △IC941 | QAL0515-001 | POWER TRANSF | | |
| IC951 | SE140N | IC | | |
| IC961 | PQ120RDA1SZ | IC | | |
| Q461 | RDN050N20 | POWER MOS FET | | |
| Q462 | KTC3199/YG/-T | TRANSISTOR | | |
| Q463 | KTC3199/YG/-T | TRANSISTOR | | |
| Q464 | KTA1267/YG/-T | TRANSISTOR | | |
| Q481 | DTC124ESA-T | DIGI TRANSISTOR | | |
| Q482 | KTC3199/YG/-T | TRANSISTOR | | |
| Q501 | BSN304-T | MOS FET | | |
| △Q521 | 2SC5904-RL | POW TRANSISTOR | H. OUT | |
| Q581 | 2SA1208/ST/Z1-T | TRANSISTOR | | |
| Q582 | DTC144ESA-T | DIGI TRANSISTOR | | |
| Q583 | KTC3199/YG/-T | TRANSISTOR | | |
| Q941 | KTC3199/YG/-T | TRANSISTOR | | |
| Q942 | KTC3199/YG/-T | TRANSISTOR | | |
| D402 | 1SR35-400A-T2 | SI DIODE | | |
| D461 | FR105GT-T3 | SI DIODE | | |
| D462 | 1SS133-T2 | SI DIODE | | |
| D463 | 1SS133-T2 | SI DIODE | | |
| D481 | 1SS133-T2 | SI DIODE | | |
| D501 | 1SS244-T2 | SI DIODE | | |
| D521 | V11CA-C1 | SI DIODE | | |
| D522 | FMV-3FU-F1 | SI DIODE | | |
| D523 | MTZJ22B-T2 | Z DIODE | | |
| D525 | FR105GT-T3 | SI DIODE | | |
| D541 | FR105GT-T3 | SI DIODE | | |
| D542 | MTZJ3.9B-T2 | Z DIODE | | |

| △Ref No. | Part No. | Part Name | Description Local | △Ref No. | Part No. | Part Name | Description Local |
|----------|---------------|-----------------|-------------------|----------|----------------|----------------|-------------------|
| △C932 | QCZ9054-472 | C CAPACITOR | 4700pF AC250V Z | R981 | QRE141J-153Y | C RESISTOR | 15kΩ 1/4W J |
| △C933 | QCZ9054-472 | C CAPACITOR | 4700pF AC250V Z | R982 | QRE141J-102Y | C RESISTOR | 1kΩ 1/4W J |
| C934 | QE20632-226 | E CAPACITOR | 22uF 400V M | △R991 | QRZ9046-825Z | C RESISTOR | 8.2MΩ 1/2W K |
| C941 | QTMN1CM-477Z | E CAPACITOR | 470uF 16V M | R992 | QRZ9046-105Z | C RESISTOR | 1MΩ 1/2W K |
| C942 | QETN1AM-337Z | E CAPACITOR | 330uF 10V M | | | | |
| C951 | QE20203-227 | E CAPACITOR | 220uF 160V M | L461 | QQR1195-001 | CHOKE COIL | |
| C952 | QE20255-228 | E CAPACITOR | 2200uF 16V M | L462 | QQR1422-001 | CHOKE COIL | |
| C953 | QETN1CM-108Z | E CAPACITOR | 1000uF 16V M | L521 | QQLZ031-180 | CHOKE COIL | 18uH |
| C954 | QETM1VM-228 | E CAPACITOR | 2200uF 35V M | L522 | QQR1191-002 | LINEARITY COIL | |
| C956 | QETM1AM-338 | E CAPACITOR | 3300uF 10V M | L551 | QQLZ026-540 | COIL | 54uH A)7% |
| C959 | QFVF1HJ-684Z | MF CAPACITOR | 0.68uF 50V J | L901 | QQL401K-100Z | CHOKE COIL | 10uH K |
| C960 | QCZ0325-821 | C CAPACITOR | 820pF 2kV K | L902 | QQL401K-100Z | CHOKE COIL | 10uH K |
| C968 | QETM1AM-338 | E CAPACITOR | 3300uF 10V M | △L903 | QQR1200-001 | CHOKE COIL | |
| △C991 | QCZ9079-222 | C CAPACITOR | 2200pF AC250V M | L941 | QQL26AM-4R7Z | CHOKE COIL | 4.7uH M |
| △C993 | QCZ9079-471 | C CAPACITOR | 470pF AC250V K | L942 | QQL26AK-220Z | CHOKE COIL | 22uH K |
| | | | | L951 | QQLZ026-460 | COIL | 46uH A)7% |
| R401 | QRE141J-562Y | C RESISTOR | 5.6kΩ 1/4W J | T501 | QQR1111-001 | LINEARITY COIL | |
| R402 | QRE141J-562Y | C RESISTOR | 5.6kΩ 1/4W J | △T901 | QQS0258-001 | SW TRANSF | |
| R403 | QRE141J-222Y | C RESISTOR | 2.2kΩ 1/4W J | | | | |
| R404 | QRX01GJ-1R0 | MF RESISTOR | 1Ω 1W J | CN003 | QGB1506M1-16 | CONNECTOR | B-B (1-16) |
| R405 | QRL029J-151 | OMF RESISTOR | 150Ω 2W J | CN004 | QGB1506M1-16 | CONNECTOR | B-B (1-16) |
| R406 | QRE141J-222Y | C RESISTOR | 2.2kΩ 1/4W J | CN0HV | QGG8005C3-05 | CONNECTOR | (1-5) |
| R407 | QRX01GJ-1R5 | MF RESISTOR | 1.5Ω 1W J | △CP931 | QMFZ052-2R0-E | FUSE | 2A AC250V |
| R408 | QRX01GJ-1R5 | MF RESISTOR | 1.5Ω 1W J | △CP951 | ICP-N75-T | IC PROTECTOR | 2.7A |
| R409 | QRE141J-823Y | C RESISTOR | 82kΩ 1/4W J | △CP952 | ICP-N75-T | IC PROTECTOR | 2.7A |
| R410 | QRE141J-103Y | C RESISTOR | 10kΩ 1/4W J | △CP954 | ICP-N75-T | IC PROTECTOR | 2.7A |
| R461 | QRG029J-820 | OMF RESISTOR | 82Ω 2W J | K401 | QQR0621-002Z | FERRITE BEADS | |
| R462 | QRE141J-473Y | C RESISTOR | 47kΩ 1/4W J | K522 | QQR1114-001Z | FERRITE BEADS | |
| R463 | QRE141J-682Y | C RESISTOR | 6.8kΩ 1/4W J | K523 | QQR1114-001Z | FERRITE BEADS | |
| R464 | QRX01GJ-2R7 | MF RESISTOR | 2.7Ω 1W J | K524 | QQR1114-001Z | FERRITE BEADS | |
| R468 | QRE141J-102Y | C RESISTOR | 1kΩ 1/4W J | K901 | QQR1113-001Z | FERRITE BEADS | |
| R469 | QRE141J-272Y | C RESISTOR | 2.7kΩ 1/4W J | K952 | QQR0621-002Z | FERRITE BEADS | |
| R471 | QRE141J-391Y | C RESISTOR | 390Ω 1/4W J | K953 | QQR0621-002Z | FERRITE BEADS | |
| R472 | QRA14CF-1002Y | CMF RESISTOR | 10kΩ 1/4W F | K955 | QQR0621-002Z | FERRITE BEADS | |
| R473 | QRE141J-473Y | C RESISTOR | 47kΩ 1/4W J | △LF901 | QQR1095-001 | LINE FILTER | |
| R474 | QRE141J-103Y | C RESISTOR | 10kΩ 1/4W J | △PC901 | PC123Y22FZ | PHOTO COUPLER | |
| R475 | QRE141J-102Y | C RESISTOR | 1kΩ 1/4W J | △RY941 | QSK0099-001 | RELAY | |
| R476 | QRE141J-102Y | C RESISTOR | 1kΩ 1/4W J | △TH901 | QAD0121-9R0 | P THERMISTOR | 9Ω |
| R477 | QRE141J-563Y | C RESISTOR | 56kΩ 1/4W J | | | | |
| R478 | QRE141J-333Y | C RESISTOR | 33kΩ 1/4W J | | | | |
| R481 | QRE141J-274Y | C RESISTOR | 270kΩ 1/4W J | | | | |
| R482 | QRE141J-103Y | C RESISTOR | 10kΩ 1/4W J | | | | |
| R501 | QRE141J-471Y | C RESISTOR | 470Ω 1/4W J | | | | |
| R502 | QRE141J-123Y | C RESISTOR | 12kΩ 1/4W J | | | | |
| R503 | QRE121J-152Y | C RESISTOR | 1.5kΩ 1/2W J | | | | |
| R504 | QRL039J-222 | OMF RESISTOR | 2.2kΩ 3W J | | | | |
| R505 | QRL039J-222 | OMF RESISTOR | 2.2kΩ 3W J | IC3201 | TDA6111Q/N4 | IC | |
| R506 | QRE121J-5R6Y | C RESISTOR | 5.6Ω 1/2W J | IC3202 | TDA6111Q/N4 | IC | |
| R521 | QRE121J-471Y | C RESISTOR | 470Ω 1/2W J | IC3203 | TDA6111Q/N4 | IC | |
| R522 | QRE141J-333Y | C RESISTOR | 33kΩ 1/4W J | | | | |
| R523 | QRE141J-103Y | C RESISTOR | 10kΩ 1/4W J | Q3104 | 2SC3928A/QR/-X | TRANSISTOR | |
| R524 | QRC121K-152Z | COMP RESISTOR | 1.5kΩ 1/2W K | Q3105 | 2SC1627A/OY/-T | SI TRANSISTOR | |
| R525 | QRL039J-103 | OMF RESISTOR | 10kΩ 3W J | Q3108 | 2SA2005/DE/ | POW TRANSISTOR | |
| R541 | QRE141J-222Y | C RESISTOR | 2.2kΩ 1/4W J | Q3109 | 2SC5511/DE/ | POW TRANSISTOR | |
| R542 | QRE141J-222Y | C RESISTOR | 2.2kΩ 1/4W J | Q3301 | 2SA1530A/QR/-X | TRANSISTOR | |
| R543 | QRE121J-272Y | C RESISTOR | 2.7kΩ 1/2W J | Q3303 | 2SA1530A/QR/-X | TRANSISTOR | |
| R551 | QRT039J-3R3 | MF RESISTOR | 3.3Ω 3W J | Q3304 | 2SC3928A/QR/-X | TRANSISTOR | |
| R552 | QRT039J-3R3 | MF RESISTOR | 3.3Ω 3W J | | | | |
| R581 | QRF154K-4R7 | UNF WW RESISTOR | 4.7Ω 15W K | D3102 | 1SS355-X | SI DIODE | |
| R582 | QRE141J-681Y | C RESISTOR | 680Ω 1/4W J | D3103 | FR105GT-T3 | SI DIODE | |
| R583 | QRE121J-682Y | C RESISTOR | 6.8kΩ 1/2W J | D3104 | FR105GT-T3 | SI DIODE | |
| R584 | QRE141J-183Y | C RESISTOR | 18kΩ 1/4W J | D3201 | FR105SGT-T2 | SI DIODE | |
| R585 | QRE141J-222Y | C RESISTOR | 2.2kΩ 1/4W J | D3202 | FR105SGT-T2 | SI DIODE | |
| R586 | QRA14CF-7501Y | CMF RESISTOR | 7.5kΩ 1/4W F | D3203 | FR105SGT-T2 | SI DIODE | |
| R587 | QRA14CF-2101Y | CMF RESISTOR | 2.1kΩ 1/4W F | D3204 | FR105GT-T3 | SI DIODE | |
| R588 | QRE141J-103Y | C RESISTOR | 10kΩ 1/4W J | D3205 | 1N4003SG-T2 | SI DIODE | |
| △R591 | QRZ9017-4R7 | FUSI RESISTOR | 4.7Ω 1/4W J | D3206 | 1N4003SG-T2 | SI DIODE | |
| R901 | QRE121J-331Y | C RESISTOR | 330Ω 1/2W J | D3207 | 1N4003SG-T2 | SI DIODE | |
| R902 | QRF054K-3R3 | UNF WW RESISTOR | 3.3Ω 5W K | D3208 | MA8062/M/-X | Z DIODE | |
| R903 | QRF104K-3R9 | UNF WW RESISTOR | 3.9Ω 10W K | D3209 | UDZS13B-X | Z DIODE | |
| R904 | QRL039J-683 | OMF RESISTOR | 68kΩ 3W J | D3210 | UDZS13B-X | Z DIODE | |
| R905 | QRE121J-474Y | C RESISTOR | 470kΩ 1/2W J | D3301 | 1SS355-X | SI DIODE | |
| R906 | QRE121J-474Y | C RESISTOR | 470kΩ 1/2W J | D3302 | 1SS355-X | SI DIODE | |
| R908 | QRL039J-823 | OMF RESISTOR | 82kΩ 3W J | D3303 | 1SS355-X | SI DIODE | |
| R909 | QRL039J-823 | OMF RESISTOR | 82kΩ 3W J | D3306 | UDZS3.6B-X | Z DIODE | |
| R910 | QRE121J-680Y | C RESISTOR | 68Ω 1/2W J | | | | |
| R911 | QRE121J-332Y | C RESISTOR | 3.3kΩ 1/2W J | C3106 | QETN1HM-335Z | E CAPACITOR | 3.3uF 50V M |
| R914 | QRZ0237-R10 | UNF WW RESISTOR | 0.1Ω | C3107 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| R915 | QRE121J-681Y | C RESISTOR | 680Ω 1/2W J | C3110 | QETN2CM-106Z | E CAPACITOR | 10uF 160V M |
| R916 | QRE121J-152Y | C RESISTOR | 1.5kΩ 1/2W J | C3111 | QCB32HK-472Z | C CAPACITOR | 4700pF 500V K |
| R944 | QRE141J-103Y | C RESISTOR | 10kΩ 1/4W J | C3113 | QETN2CM-106Z | E CAPACITOR | 10uF 160V M |
| R945 | QRE141J-563Y | C RESISTOR | 56kΩ 1/4W J | C3114 | QCB32HK-472Z | C CAPACITOR | 4700pF 500V K |
| R946 | QRE141J-103Y | C RESISTOR | 10kΩ 1/4W J | C3116 | QETN1AM-107Z | E CAPACITOR | 100uF 10V M |
| R949 | QRE141J-334Y | C RESISTOR | 330kΩ 1/4W J | C3117 | QETN1AM-107Z | E CAPACITOR | 100uF 10V M |
| R951 | QRE121J-222Y | C RESISTOR | 2.2kΩ 1/2W J | C3118 | QEH1AM-337Z | E CAPACITOR | 330uF 10V M |
| R952 | QRL039J-223 | OMF RESISTOR | 22kΩ 3W J | C3120 | NDC31HJ-561X | C CAPACITOR | 560pF 50V J |
| R953 | QRT039J-R33 | MF RESISTOR | 0.33Ω 3W J | C3201 | NDC31HJ-8R0X | C CAPACITOR | 8pF 50V J |

CRT SOCKET P.W. BOARD ASS'Y (SML-3302A-U2)

| △Ref No. | Part No. | Part Name | Description Local |
|----------|-----------------|-----------------|-------------------|
| C3202 | NDC31HJ-8R0X | C CAPACITOR | 8pF 50V J |
| C3203 | NDC31HJ-8R0X | C CAPACITOR | 8pF 50V J |
| C3204 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3205 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3206 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3207 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C3208 | QEHR1VM-476Z | E CAPACITOR | 47uF 35V M |
| C3209 | QEHR1VM-476Z | E CAPACITOR | 47uF 35V M |
| C3210 | QFKC2EK-104Z | MM CAPACITOR | 0.1uF 250V K |
| C3211 | QFKC2EK-104Z | MM CAPACITOR | 0.1uF 250V K |
| C3212 | QFKC2EK-104Z | MM CAPACITOR | 0.1uF 250V K |
| C3213 | NDC31HJ-181X | C CAPACITOR | 180pF 50V J |
| C3214 | NDC31HJ-181X | C CAPACITOR | 180pF 50V J |
| C3215 | NDC31HJ-181X | C CAPACITOR | 180pF 50V J |
| C3216 | QETN1CM-227Z | E CAPACITOR | 220uF 16V M |
| C3218 | QETM2EM-336 | E CAPACITOR | 33uF 250V M |
| C3219 | QFZ0097-223 | MM CAPACITOR | 0.022uF 1.25KV M |
| C3221 | QETN2EM-106Z | E CAPACITOR | 10uF 250V M |
| C3222 | QETN2EM-106Z | E CAPACITOR | 10uF 250V M |
| C3223 | QEHR2EM-106Z | E CAPACITOR | 10uF 250V M |
| C3224 | QETN2EM-106Z | E CAPACITOR | 10uF 250V M |
| C3225 | NDC31HJ-151X | C CAPACITOR | 150pF 50V J |
| C3303 | NCB31CK-563X | C CAPACITOR | 0.056uF 16V K |
| R3103 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R3109 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J |
| R3112 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J |
| R3114 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J |
| R3115 | NRSA63J-560X | MG RESISTOR | 56Ω 1/16W J |
| R3116 | QRG01GJ-101 | OMF RESISTOR | 100Ω 1W J |
| R3117 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J |
| R3122 | NRSA63J-122X | MG RESISTOR | 1.2kΩ 1/16W J |
| R3123 | QRE121J-563Y | C RESISTOR | 56kΩ 1/2W J |
| R3124 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J |
| R3125 | QRE121J-563Y | C RESISTOR | 56kΩ 1/2W J |
| R3126 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J |
| R3127 | NRSA63J-122X | MG RESISTOR | 1.2kΩ 1/16W J |
| R3128 | NRSA63J-390X | MG RESISTOR | 39Ω 1/16W J |
| R3129 | QRE121J-2R7Y | C RESISTOR | 2.7Ω 1/2W J |
| R3130 | QRE121J-2R7Y | C RESISTOR | 2.7Ω 1/2W J |
| R3131 | NRSA63J-390X | MG RESISTOR | 39Ω 1/16W J |
| R3132 | NRSA63J-121X | MG RESISTOR | 120Ω 1/16W J |
| R3133 | QRL029J-681 | OMF RESISTOR | 680Ω 2W J |
| △R3134 | QRZ9021-561 | FUSI RESISTOR | 560Ω 1W J |
| R3201 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R3202 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R3203 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R3208 | NRSA63J-154X | MG RESISTOR | 150kΩ 1/16W J |
| R3209 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R3218 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J |
| R3219 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J |
| R3220 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J |
| R3222 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R3223 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J |
| R3224 | QRL029J-104-F | OMF RESISTOR | 100kΩ 2W J |
| R3225 | QRL029J-104-F | OMF RESISTOR | 100kΩ 2W J |
| R3226 | QRL029J-104-F | OMF RESISTOR | 100kΩ 2W J |
| R3227 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R3228 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R3229 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R3230 | QRZ0107-152Z | C RESISTOR | 1.5kΩ 1/2W K |
| R3231 | QRZ0107-152Z | C RESISTOR | 1.5kΩ 1/2W K |
| R3232 | QRZ0107-152Z | C RESISTOR | 1.5kΩ 1/2W K |
| R3234 | QRZ0107-474Z | C RESISTOR | 470kΩ 1/2W K |
| R3235 | QRZ0107-102Z | C RESISTOR | 1kΩ 1/2W K |
| R3236 | QRZ0107-105Z | C RESISTOR | 1MΩ 1/2W K |
| R3237 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R3239 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R3240 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| R3241 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| R3242 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| R3301 | QRE121J-474Y | C RESISTOR | 470kΩ 1/2W J |
| R3302 | QRE121J-474Y | C RESISTOR | 470kΩ 1/2W J |
| R3303 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R3304 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R3305 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| R3306 | NRSA63J-392X | MG RESISTOR | 3.9kΩ 1/16W J |
| R3308 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R3311 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R3312 | NRSA63J-120X | MG RESISTOR | 12Ω 1/16W J |
| R3313 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J |
| L3204 | QQL26AJ-102Z | PEAKING COIL | 1mH J |
| CN300G | QJK002-063231-E | SIN CR C-B WIRE | |
| CN300R | QJB003-093626-E | SIN ID C-B WIRE | |
| CN30E1 | QGG8005C3-01 | CONNECTOR | (1-1) |

| △Ref No. | Part No. | Part Name | Description Local |
|----------|---------------|----------------|-------------------|
| CN30SC | QGG0017C1-01Z | CONNECTOR | (1-1) |
| K3101 | QQR1114-001Z | FERRITE BEADS | |
| K3103 | QQR1114-001Z | FERRITE BEADS | |
| K3104 | QQR1114-001Z | FERRITE BEADS | |
| K3105 | QQR0621-002Z | FERRITE BEADS | |
| K3202 | QQR1113-001Z | FERRITE BEADS | |
| SG3201 | QAF0056-501Z | SURGE ABSORBER | 500V M |
| SG3202 | QAF0056-501Z | SURGE ABSORBER | 500V M |
| SG3203 | QAF0056-501Z | SURGE ABSORBER | 500V M |
| △SK3001 | QNZ0536-001 | CRT SOCKET | |

SIDE CONTROL P.W. BOARD ASS'Y (SML-8131A-U2)

| △Ref No. | Part No. | Part Name | Description Local |
|----------|--------------|---------------|-------------------|
| C8101 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C8102 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C8103 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K |
| C8104 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K |
| C8131 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K |
| C8132 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K |
| C8133 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| R8101 | NRSA63J-821X | MG RESISTOR | 820Ω 1/16W J |
| R8102 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J |
| R8103 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R8111 | QRE121J-101Y | C RESISTOR | 100Ω 1/2W J |
| R8112 | QRE121J-101Y | C RESISTOR | 100Ω 1/2W J |
| R8113 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R8114 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R8133 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| L8111 | QQL244K-5R6Z | PEAKING COIL | 5.6uH K |
| L8112 | QQL244K-5R6Z | PEAKING COIL | 5.6uH K |
| L8131 | QQL244K-270Z | PEAKING COIL | 27uH K |
| L8132 | QQL244K-270Z | PEAKING COIL | 27uH K |
| J8111 | QMS3001-C01 | 3.5 JACK | HEADPHONE |
| J8131 | QNN0591-001 | PIN JACK | EXT-4(V/L/R) |
| J8132 | QND0084-001 | S JACK | EXT-4(S) |
| K8111 | NQR0129-004X | FERRITE BEADS | |
| K8131 | NQR0129-004X | FERRITE BEADS | |
| S8101 | QSW0619-003Z | TACT SWITCH | CH UP |
| S8102 | QSW0619-003Z | TACT SWITCH | MENU |
| S8103 | QSW0619-003Z | TACT SWITCH | CH DOWN |

FRONT CONTROL P.W. BOARD ASS'Y (SML-8301A-U2)

| △Ref No. | Part No. | Part Name | Description Local |
|----------|-----------------|-----------------|-------------------|
| IC8851 | GP1UM281QKVF | IR DETECT UNIT | |
| Q8801 | UN2212-X | DIGI TRANSISTOR | |
| D8801 | LH22440-T16 | LED | POWER |
| C8851 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C8852 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| △C8901 | QFZ9072-474 | MM CAPACITOR | 0.47uF AC250V K |
| R8801 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R8802 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J |
| R8804 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R8851 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R8852 | QRE121J-470Y | C RESISTOR | 47Ω 1/2W J |
| CN800W | WJK0200-002A-E | E-SI C WIRE C-B | |
| △F8901 | QMF5AD2-3R15-J1 | FUSE | 3.15A AC250V |
| △LF8901 | QQR1095-001 | LINE FILTER | |
| △S8901 | QSW0824-001 | PUSH SWITCH | POWER |

AV JACK P.W. BOARD ASS'Y (SML0J301A-U2)

| △Ref No. | Part No. | Part Name | Description | Local |
|----------|--------------|---------------|---------------|-------|
| D0101 | UDZS5.6B-X | Z DIODE | 1.5kΩ 1/10W J | |
| D0102 | UDZS5.6B-X | Z DIODE | 1.5kΩ 1/10W J | |
| D0103 | UDZS5.6B-X | Z DIODE | 1.5kΩ 1/10W J | |
| D0104 | UDZS5.6B-X | Z DIODE | 1.5kΩ 1/10W J | |
| D0115 | UDZS5.6B-X | Z DIODE | 1.5kΩ 1/10W J | |
| D0116 | UDZS5.6B-X | Z DIODE | 1.5kΩ 1/10W J | |
| D0117 | UDZS5.6B-X | Z DIODE | 1.5kΩ 1/10W J | |
| D0118 | UDZS5.6B-X | Z DIODE | 1.5kΩ 1/10W J | |
| D0119 | UDZS5.6B-X | Z DIODE | 1.5kΩ 1/10W J | |
| D0121 | UDZS5.6B-X | Z DIODE | 1.5kΩ 1/10W J | |
| C0101 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K | |
| C0102 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K | |
| C0103 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K | |
| C0104 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K | |
| C0105 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K | |
| C0106 | NDC31HJ-221X | C CAPACITOR | 220pF 50V J | |
| C0107 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K | |
| C0108 | NDC31HJ-221X | C CAPACITOR | 220pF 50V J | |
| C0109 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K | |
| C0110 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K | |
| C0111 | NCB11EK-104X | C CAPACITOR | 0.1uF 25V K | |
| R0101 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R0102 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R0103 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R0104 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R0105 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R0106 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R0107 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R0108 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R0109 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R0203 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R0204 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R0205 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| CN0001 | QGB1505K1-35 | CONNECTOR | B-B (1-35) | |
| J0001 | QNZ0465-001 | 21P CONNECTOR | EXT-3 | |
| J0002 | QNZ0463-001 | 21P CONNECTOR | EXT-1/EXT-2 | |
| K0101 | NQR0129-004X | FERRITE BEADS | | |
| K0102 | NQR0129-004X | FERRITE BEADS | | |
| K0103 | NQR0129-004X | FERRITE BEADS | | |

100HZ P.W. BOARD ASS'Y (SML0Z301A-U2)

| △Ref No. | Part No. | Part Name | Description | Local |
|----------|-----------------|-----------------|-------------|-------|
| IC001 | SDA5550M-QB | IC(MICRO C ROM) | | |
| IC002 | S-80828CNNB-G-W | IC | | |
| IC003 | LP62S2048AX7LTF | IC | | |
| IC005 | 39VF0207CNHE | IC | | |
| IC191 | PQ2L3252MS-X | IC | | |
| IC201 | VSP9402A-VK-B13 | IC | | |
| IC301 | DDP3315C-QA-G3 | IC | | |
| IC901 | R1170H181B-X | IC | | |
| IC902 | MM1563DF-X | IC | | |
| IC903 | MM1565AF-X | IC | | |
| Q001 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q002 | 2SK3019-X | MOS FET | | |
| Q003 | 2SK3019-X | MOS FET | | |
| Q202 | 2SA1530A/QR/-X | TRANSISTOR | | |
| Q203 | 2SA1530A/QR/-X | TRANSISTOR | | |
| Q301 | 2SA1530A/QR/-X | TRANSISTOR | | |
| Q302 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q304 | 2SC4672/PQ/-W | POW TRANSISTOR | | |
| Q305 | 2SA1530A/QR/-X | TRANSISTOR | | |
| Q306 | 2SA1530A/QR/-X | TRANSISTOR | | |
| Q307 | 2SA1530A/QR/-X | TRANSISTOR | | |
| Q308 | 2SC3928A/QR/-X | TRANSISTOR | | |
| QA001 | UMX1N-W | PAIR TRANSISTOR | | |
| QA002 | UMX1N-W | PAIR TRANSISTOR | | |
| QA301 | UMX1N-W | PAIR TRANSISTOR | | |
| QA302 | UMT1N-W | PAIR TRANSISTOR | | |
| D001 | 1SS355-X | SI DIODE | | |
| D002 | 1SS355-X | SI DIODE | | |
| D003 | UDZS6.8B-X | Z DIODE | | |
| D006 | UDZS3.9B-X | Z DIODE | | |
| D007 | UDZS3.9B-X | Z DIODE | | |
| D301 | DA221-X | DIODE ARRAY | | |

| △Ref No. | Part No. | Part Name | Description | Local |
|----------|--------------|-------------|---------------|-------|
| D302 | DA221-X | DIODE ARRAY | | |
| D303 | DA221-X | DIODE ARRAY | | |
| D304 | DA221-X | DIODE ARRAY | | |
| D305 | 1SS355-X | SI DIODE | | |
| D306 | DA221-X | DIODE ARRAY | | |
| D307 | UDZS3.9B-X | Z DIODE | | |
| D308 | UDZS3.3B-X | Z DIODE | | |
| C001 | NDC31HJ-151X | C CAPACITOR | 150pF 50V J | |
| C002 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C003 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C004 | NDC31HJ-330X | C CAPACITOR | 33pF 50V J | |
| C005 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C006 | NDC31HJ-330X | C CAPACITOR | 33pF 50V J | |
| C007 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C009 | NEHL1CM-476X | E CAPACITOR | 47uF 16V M | |
| C010 | NEHL1CM-107X | E CAPACITOR | 100uF 16V M | |
| C011 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C012 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C013 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C014 | NCB31EK-333X | C CAPACITOR | 0.033uF 25V K | |
| C016 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C017 | NEHL1HM-106X | E CAPACITOR | 10uF 50V M | |
| C019 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C020 | NEHL1CM-476X | E CAPACITOR | 47uF 16V M | |
| C021 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C022 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C023 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C024 | NEHL1CM-476X | E CAPACITOR | 47uF 16V M | |
| C026 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C027 | NEHL1CM-476X | E CAPACITOR | 47uF 16V M | |
| C029 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C030 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C031 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C032 | NDC31HJ-151X | C CAPACITOR | 150pF 50V J | |
| C035 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C191 | NEHL1CM-107X | E CAPACITOR | 100uF 16V M | |
| C192 | NCB20JK-225X | C CAPACITOR | 2.2uF 6.3V K | |
| C193 | NCB20JK-225X | C CAPACITOR | 2.2uF 6.3V K | |
| C194 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C195 | NEHL1CM-107X | E CAPACITOR | 100uF 16V M | |
| C196 | NCB20JK-225X | C CAPACITOR | 2.2uF 6.3V K | |
| C197 | NEHL1CM-107X | E CAPACITOR | 100uF 16V M | |
| C201 | NDC31HJ-331X | C CAPACITOR | 330pF 50V J | |
| C202 | NDC31HJ-331X | C CAPACITOR | 330pF 50V J | |
| C203 | NDC31HJ-331X | C CAPACITOR | 330pF 50V J | |
| C205 | NCB31HK-473X | C CAPACITOR | 0.047uF 50V K | |
| C206 | NCB31HK-473X | C CAPACITOR | 0.047uF 50V K | |
| C207 | NCB31HK-473X | C CAPACITOR | 0.047uF 50V K | |
| C208 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z | |
| C209 | NCB31HK-473X | C CAPACITOR | 0.047uF 50V K | |
| C210 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z | |
| C211 | NCB31HK-473X | C CAPACITOR | 0.047uF 50V K | |
| C212 | NCB31HK-473X | C CAPACITOR | 0.047uF 50V K | |
| C213 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z | |
| C214 | NCB31AK-334X | C CAPACITOR | 0.33uF 10V K | |
| C215 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C219 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C220 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z | |
| C221 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z | |
| C222 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z | |
| C223 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z | |
| C224 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z | |
| C225 | NDC31HJ-330X | C CAPACITOR | 33pF 50V J | |
| C226 | NDC31HJ-330X | C CAPACITOR | 33pF 50V J | |
| C227 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z | |
| C228 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z | |
| C229 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z | |
| C230 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z | |
| C231 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z | |
| C301 | NEHL1HM-105X | E CAPACITOR | 1uF 50V M | |
| C303 | NDC31HJ-180X | C CAPACITOR | 18pF 50V J | |
| C304 | NDC31HJ-180X | C CAPACITOR | 18pF 50V J | |
| C305 | NEHL1HM-105X | E CAPACITOR | 1uF 50V M | |
| C306 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z | |
| C307 | NDC31HJ-561X | C CAPACITOR | 560pF 50V J | |
| C308 | NEHL1HM-105X | E CAPACITOR | 1uF 50V M | |
| C309 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z | |
| C311 | NDC31HJ-150X | C CAPACITOR | 15pF 50V J | |
| C312 | NCB31HK-562X | C CAPACITOR | 5600pF 50V K | |
| C313 | NCB31HK-333X | C CAPACITOR | 0.033uF 50V K | |
| C314 | NCB31HK-333X | C CAPACITOR | 0.033uF 50V K | |
| C315 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C316 | NCB30JK-105X | C CAPACITOR | 1uF 6.3V K | |
| C319 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C320 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C321 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |

| △Ref No. | Part No. | Part Name | Description Local | △Ref No. | Part No. | Part Name | Description Local |
|----------|--------------|-------------|-------------------|----------|--------------|-------------|-------------------|
| C322 | NEHL1HM-335X | E CAPACITOR | 3.3uF 50V M | R080 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| C323 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | R081 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| C324 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z | R083 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| C325 | NEHL1CM-106X | E CAPACITOR | 10uF 16V M | R084 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| C329 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | R085 | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J |
| C330 | NEHL1CM-106X | E CAPACITOR | 10uF 16V M | R086 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| C331 | NCB31HK-682X | C CAPACITOR | 6800pF 50V K | R087 | NRSA63J-122X | MG RESISTOR | 1.2kΩ 1/16W J |
| C332 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | R088 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| C333 | NEHL1CM-106X | E CAPACITOR | 10uF 16V M | R089 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| C334 | NDC31HJ-561X | C CAPACITOR | 560pF 50V J | R092 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| C335 | NDC31HJ-561X | C CAPACITOR | 560pF 50V J | R093 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| C336 | NDC31HJ-561X | C CAPACITOR | 560pF 50V J | R094 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| C338 | NDC31HJ-102X | C CAPACITOR | 1000pF 50V J | R101 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| C901 | NEHL1CM-106X | E CAPACITOR | 10uF 16V M | R102 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J |
| C902 | NEHL1CM-106X | E CAPACITOR | 10uF 16V M | R105 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| C903 | NCB10JK-106X | C CAPACITOR | 10uF 6.3V K | R111 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| C904 | NEHL1CM-106X | E CAPACITOR | 10uF 16V M | R114 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| C905 | NEHL1CM-106X | E CAPACITOR | 10uF 16V M | R201 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| C906 | NCB20JK-225X | C CAPACITOR | 2.2uF 6.3V K | R202 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| C907 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z | R203 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| C908 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z | R207 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| C909 | NCB20JK-225X | C CAPACITOR | 2.2uF 6.3V K | R208 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| C910 | NDC31HJ-471X | C CAPACITOR | 470pF 50V J | R209 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| C911 | NEHL1CM-106X | E CAPACITOR | 10uF 16V M | R210 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| C912 | NCB11CK-225X | C CAPACITOR | 2.2uF 16V K | R211 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| C913 | NCB20JK-225X | C CAPACITOR | 2.2uF 6.3V K | R212 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| C914 | NDC31HJ-471X | C CAPACITOR | 470pF 50V J | R213 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J |
| C915 | NEHL1CM-107X | E CAPACITOR | 100uF 16V M | R214 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| C916 | NEHL1CM-106X | E CAPACITOR | 10uF 16V M | R215 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| C917 | NEHL1CM-106X | E CAPACITOR | 10uF 16V M | R216 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| C918 | NEHL1CM-106X | E CAPACITOR | 10uF 16V M | R217 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J |
| R001 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | R218 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R002 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | R219 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R003 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | R221 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R004 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | R222 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J |
| R008 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | R223 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R009 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | R224 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R010 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | R227 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R013 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | R231 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R014 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | R232 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R015 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | R233 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R016 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | R301 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| R022 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | R302 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R023 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | R303 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R026 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | R304 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R027 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | R305 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R028 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | R306 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R029 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | R309 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R030 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | R310 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R031 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | R311 | NRSA63J-683X | MG RESISTOR | 68kΩ 1/16W J |
| R032 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | R314 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J |
| R036 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | R315 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R037 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | R318 | NRSA63J-183X | MG RESISTOR | 18kΩ 1/16W J |
| R038 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | R319 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R039 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | R320 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R040 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | R321 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R041 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | R322 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R042 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | R323 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R043 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | R324 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R045 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R325 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J |
| R046 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R326 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J |
| R047 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | R327 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J |
| R048 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J | R328 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R049 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | R329 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J |
| R050 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | R330 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R051 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | R331 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R053 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R332 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R054 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | R333 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R055 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | R334 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R057 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R336 | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J |
| R060 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | R337 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J |
| R061 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | R338 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R062 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | R339 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R063 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | R341 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J |
| R064 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | R342 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J |
| R065 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | R343 | NRSA63J-330X | MG RESISTOR | 33Ω 1/16W J |
| R066 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J | R344 | NRSA63J-151X | MG RESISTOR | 150Ω 1/16W J |
| R068 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | R345 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J |
| R069 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | R346 | NRSA63J-330X | MG RESISTOR | 33Ω 1/16W J |
| R071 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | R347 | NRSA63J-151X | MG RESISTOR | 150Ω 1/16W J |
| R072 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | R348 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J |
| R074 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | R349 | NRSA63J-330X | MG RESISTOR | 33Ω 1/16W J |
| R075 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | R350 | NRSA63J-151X | MG RESISTOR | 150Ω 1/16W J |
| R076 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | R351 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J |
| R077 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | R352 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J |
| R078 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | R353 | NRSA63J-271X | MG RESISTOR | 270Ω 1/16W J |
| | | | | R354 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J |

| △Ref No. | Part No. | Part Name | Description Local |
|----------|--------------|---------------|-------------------|
| R355 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J |
| R357 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R358 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J |
| R359 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R360 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R362 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R901 | NRS12BJ-101W | MG RESISTOR | 100Ω 1/2W J |
| R902 | NRS12BJ-101W | MG RESISTOR | 100Ω 1/2W J |
| R904 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J |
| R905 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J |
| RA001 | NRZ0040-0R0X | NET RESISTOR | 0Ω 1/16W J x4 |
| RA002 | NRZ0040-0R0X | NET RESISTOR | 0Ω 1/16W J x4 |
| RA003 | NRZ0040-0R0X | NET RESISTOR | 0Ω 1/16W J x4 |
| RA004 | NRZ0040-0R0X | NET RESISTOR | 0Ω 1/16W J x4 |
| RA005 | NRZ0040-0R0X | NET RESISTOR | 0Ω 1/16W J x4 |
| RA006 | NRZ0040-0R0X | NET RESISTOR | 0Ω 1/16W J x4 |
| RA007 | NRZ0040-0R0X | NET RESISTOR | 0Ω 1/16W J x4 |
| L001 | NQL092K-4R7X | COIL | 4.7uH K |
| L002 | NQL092K-4R7X | COIL | 4.7uH K |
| L003 | NQL092K-4R7X | COIL | 4.7uH K |
| L004 | NQL092K-4R7X | COIL | 4.7uH K |
| L005 | NQL092K-4R7X | COIL | 4.7uH K |
| L006 | NQL092K-4R7X | COIL | 4.7uH K |
| L007 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J |
| L008 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J |
| L009 | NQL092K-8R2X | P COIL | 8.2uH K |
| L201 | NQL092K-3R3X | COIL | 3.3uH K |
| L202 | NQL092K-3R3X | COIL | 3.3uH K |
| L203 | NQL092K-3R3X | COIL | 3.3uH K |
| L301 | NQL914K-100X | COIL | 10uH K |
| L901 | NQL914K-100X | COIL | 10uH K |
| L902 | NQL914K-100X | COIL | 10uH K |
| L903 | NQL914K-100X | COIL | 10uH K |
| L904 | NQL914K-100X | COIL | 10uH K |
| K001 | NQR0129-004X | FERRITE BEADS | |
| K002 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| K901 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J |
| K902 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J |
| K905 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J |
| K906 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J |
| K907 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J |
| K908 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J |
| LC001 | NQR0415-003X | EMI FILTER | 0.47uF 16V M |
| LC002 | NQR0415-003X | EMI FILTER | 0.47uF 16V M |
| LC003 | NQR0415-003X | EMI FILTER | 0.47uF 16V M |
| LC004 | NQR0415-003X | EMI FILTER | 0.47uF 16V M |
| X001 | NAX0618-001X | CRYSTAL | |
| X201 | NAX0661-001X | CRYSTAL | |
| X301 | NAX0643-001X | CRYSTAL | |

PRINTED WIRING BOARD PARTS LIST [AV-28H5SK]

MAIN P.W. BOARD ASS'Y (SML-1932A-U2)

| △Ref No. | Part No. | Part Name | Description Local | △Ref No. | Part No. | Part Name | Description Local |
|----------|-----------------|-----------------|-------------------|----------|--------------|----------------|-------------------|
| IC101 | MSP3415GQGB8V3M | IC | | C105 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| IC201 | CXA2089Q-X | IC | | C106 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| IC501 | LM324D-X | IC | | C107 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| IC551 | LA6515 | IC | | C108 | QETN1HM-105Z | E CAPACITOR | 1uF 50V M |
| IC601 | AN5277 | IC | | C109 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| IC701 | ATE32-28H5SK | IC | (SERVICE) | C110 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| IC901 | AN78L08-T | IC | | C111 | NCB21CK-105X | C CAPACITOR | 1uF 16V K |
| IC902 | MM1565AF-X | IC | | C112 | NCB21CK-105X | C CAPACITOR | 1uF 16V K |
| IC903 | L7809CP | IC | | C113 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| Q002 | 2SC3928A/QR/-X | TRANSISTOR | | C114 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| Q101 | UN2213-X | DIGI TRANSISTOR | | C115 | NDC31HJ-102X | C CAPACITOR | 1000pF 50V J |
| Q201 | 2SC3928A/QR/-X | TRANSISTOR | | C116 | NDC31HJ-102X | C CAPACITOR | 1000pF 50V J |
| Q202 | 2SC3928A/QR/-X | TRANSISTOR | | C117 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| Q207 | UN2226-X | DIGI TRANSISTOR | | C118 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| Q210 | 2SA1530A/QR/-X | TRANSISTOR | | C119 | NDC31HJ-2R0X | C CAPACITOR | 2pF 50V J |
| Q211 | UN2226-X | DIGI TRANSISTOR | | C120 | NDC31HJ-2R0X | C CAPACITOR | 2pF 50V J |
| Q212 | 2SA1530A/QR/-X | TRANSISTOR | | C121 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| Q213 | UN2226-X | DIGI TRANSISTOR | | C122 | NDC31HJ-102X | C CAPACITOR | 1000pF 50V J |
| Q214 | UN2226-X | DIGI TRANSISTOR | | C123 | NDC31HJ-102X | C CAPACITOR | 1000pF 50V J |
| Q215 | KTA1267/YG/-T | TRANSISTOR | | C124 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| Q216 | 2SC3928A/QR/-X | TRANSISTOR | | C201 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| Q217 | KTC3199/YG/-T | TRANSISTOR | | C202 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| Q219 | 2SC3928A/QR/-X | TRANSISTOR | | C203 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| Q305 | KTC3199/YG/-T | TRANSISTOR | | C204 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| Q501 | 2SC3928A/QR/-X | TRANSISTOR | | C205 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| Q502 | 2SC3928A/QR/-X | TRANSISTOR | | C206 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| Q604 | 2SA1530A/QR/-X | TRANSISTOR | | C207 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| Q605 | 2SC3928A/QR/-X | TRANSISTOR | | C209 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| Q606 | 2SC3928A/QR/-X | TRANSISTOR | | C210 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| Q609 | 2SA1530A/QR/-X | TRANSISTOR | | C213 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| Q610 | UN2226-X | DIGI TRANSISTOR | | C215 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| Q611 | UN2226-X | DIGI TRANSISTOR | | C216 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| Q701 | 2SA1530A/QR/-X | TRANSISTOR | | C220 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| Q702 | 2SC3928A/QR/-X | TRANSISTOR | | C221 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| D201 | UDZS12B-X | Z DIODE | | C222 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| D202 | UDZS12B-X | Z DIODE | | C223 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| D203 | UDZS12B-X | Z DIODE | | C224 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| D204 | UDZS12B-X | Z DIODE | | C225 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| D205 | UDZS12B-X | Z DIODE | | C226 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| D206 | UDZS12B-X | Z DIODE | | C227 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| D207 | UDZS12B-X | Z DIODE | | C228 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| D208 | UDZS12B-X | Z DIODE | | C229 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| D209 | UDZS12B-X | Z DIODE | | C230 | QENC1EM-106Z | BP E CAPACITOR | 10uF 25V M |
| D210 | UDZS12B-X | Z DIODE | | C231 | QENC1EM-106Z | BP E CAPACITOR | 10uF 25V M |
| D211 | UDZS12B-X | Z DIODE | | C232 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| D212 | UDZS12B-X | Z DIODE | | C233 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| D213 | UDZS15B-X | Z DIODE | | C234 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| D214 | UDZS15B-X | Z DIODE | | C235 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| D501 | 1SS355-X | SI DIODE | | C236 | QETN1CM-477Z | E CAPACITOR | 470uF 16V M |
| D502 | 1SS355-X | SI DIODE | | C237 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| D503 | 1SS355-X | SI DIODE | | C238 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| D504 | 1SS355-X | SI DIODE | | C239 | QETN1CM-477Z | E CAPACITOR | 470uF 16V M |
| D604 | 1SS355-X | SI DIODE | | C303 | QETN1CM-227Z | E CAPACITOR | 220uF 16V M |
| D605 | 1SS355-X | SI DIODE | | C304 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| D606 | 1SS355-X | SI DIODE | | C308 | NCB31CK-224X | C CAPACITOR | 0.22uF 16V K |
| D607 | 1SS355-X | SI DIODE | | C310 | NCB31CK-224X | C CAPACITOR | 0.22uF 16V K |
| D701 | UDZS5.6B-X | Z DIODE | 1.5kΩ 1/10W J | C503 | NDC31HJ-102X | C CAPACITOR | 1000pF 50V J |
| D702 | UDZS5.6B-X | Z DIODE | 1.5kΩ 1/10W J | C504 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| D703 | UDZS5.6B-X | Z DIODE | 1.5kΩ 1/10W J | C505 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| D704 | UDZS5.6B-X | Z DIODE | 1.5kΩ 1/10W J | C506 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| D705 | 1SS355-X | SI DIODE | | C507 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| D981 | 1SS355-X | SI DIODE | | C508 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| D982 | 1SS355-X | SI DIODE | | C509 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| D983 | 1SS355-X | SI DIODE | | C510 | NCB31EK-333X | C CAPACITOR | 0.033uF 25V K |
| C001 | NCB31HK-222X | C CAPACITOR | 2200pF 50V K | C515 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C002 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | C551 | NCF31CZ-224X | C CAPACITOR | 0.22uF 16V Z |
| C004 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | C552 | NCF31CZ-224X | C CAPACITOR | 0.22uF 16V Z |
| C005 | QETN1CM-108Z | E CAPACITOR | 1000uF 16V M | C553 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C006 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | C554 | NCF31CZ-224X | C CAPACITOR | 0.22uF 16V Z |
| C007 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | C555 | NCF31CZ-224X | C CAPACITOR | 0.22uF 16V Z |
| C008 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | C561 | NDC31HJ-390X | C CAPACITOR | 39pF 50V J |
| C009 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | C612 | NCB31HK-272X | C CAPACITOR | 2700pF 50V K |
| C011 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | C613 | NCB31HK-272X | C CAPACITOR | 2700pF 50V K |
| C012 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | C614 | QETN1HM-105Z | E CAPACITOR | 1uF 50V M |
| C013 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | C615 | QETN1HM-105Z | E CAPACITOR | 1uF 50V M |
| C101 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | C619 | QETM1VM-228 | E CAPACITOR | 2200uF 35V M |
| C102 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | C622 | QETN1EM-108Z | E CAPACITOR | 1000uF 25V M |
| C103 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | C623 | QETN1EM-108Z | E CAPACITOR | 1000uF 25V M |
| C104 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M | C624 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K |
| | | | | C626 | QETN1EM-108Z | E CAPACITOR | 1000uF 25V M |
| | | | | C627 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| | | | | C629 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| | | | | C630 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| | | | | C631 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K |

| △Ref No. | Part No. | Part Name | Description Local | △Ref No. | Part No. | Part Name | Description Local |
|----------|--------------|-------------|-------------------|----------|--------------|----------------|-------------------|
| C632 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | R276 | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J |
| C633 | QETN1HM-107Z | E CAPACITOR | 100uF 50V M | R277 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| C636 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | R278 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| C637 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | R279 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| C701 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | R280 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| C702 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | R281 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| C711 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | R282 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| C901 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M | R283 | QRG01GJ-101 | OMF RESISTOR | 100Ω 1W J |
| C902 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | R284 | QRK126J-181X | UNF C RESISTOR | 180Ω 1/2W J |
| C903 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M | R285 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| C904 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z | R286 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| C905 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | R287 | QRK126J-151X | UNF C RESISTOR | 150Ω 1/2W J |
| C906 | NCB20JK-225X | C CAPACITOR | 2.2uF 6.3V K | R288 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| C907 | NDC31HJ-471X | C CAPACITOR | 470pF 50V J | R289 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| C908 | QETN1AM-477Z | E CAPACITOR | 470uF 10V M | R290 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| C909 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | R291 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| C910 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M | R292 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J |
| R002 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R293 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R003 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R294 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R006 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | R295 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R007 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | R296 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R008 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | R297 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R011 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | R298 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R101 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R313 | QRK126J-331X | UNF C RESISTOR | 330Ω 1/2W J |
| R102 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R315 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R103 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | R316 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J |
| R106 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | R317 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R201 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | R501 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R202 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | R502 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R205 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | R503 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R206 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | R504 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R208 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | R505 | NRSA63J-124X | MG RESISTOR | 120kΩ 1/16W J |
| R209 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | R506 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R210 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | R507 | NRSA63J-273X | MG RESISTOR | 27kΩ 1/16W J |
| R211 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | R509 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R212 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R510 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J |
| R213 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R511 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J |
| R214 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R512 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J |
| R215 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | R513 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R216 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | R514 | NRSA63J-392X | MG RESISTOR | 3.9kΩ 1/16W J |
| R217 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | R515 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R218 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | R516 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R220 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J | R517 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R221 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J | R518 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R222 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J | R519 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R226 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J | R520 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R227 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J | R521 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R229 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J | R523 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J |
| R232 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J | R524 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J |
| R233 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J | R525 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R234 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | R526 | NRSA63J-683X | MG RESISTOR | 68kΩ 1/16W J |
| R235 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | R527 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J |
| R236 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | R528 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R237 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | R529 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J |
| R238 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R530 | NRSA63J-105X | MG RESISTOR | 1MΩ 1/16W J |
| R239 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R531 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R240 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R532 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R241 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R533 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J |
| R242 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R536 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J |
| R243 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R537 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R244 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R551 | NRSA63J-124X | MG RESISTOR | 120kΩ 1/16W J |
| R245 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R552 | NRSA63J-100X | MG RESISTOR | 10Ω 1/16W J |
| R246 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R553 | NRSA63J-683X | MG RESISTOR | 68kΩ 1/16W J |
| R247 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R554 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| R249 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R555 | NRSA63J-154X | MG RESISTOR | 150kΩ 1/16W J |
| R251 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J | R556 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J |
| R253 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J | R557 | NRSA63J-100X | MG RESISTOR | 10Ω 1/16W J |
| R255 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J | R558 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| R258 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J | R559 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R259 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J | R560 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R260 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | R615 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R261 | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J | R616 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R262 | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J | R617 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J |
| R263 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | R620 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J |
| R264 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R621 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R265 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R622 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R266 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R625 | NRSA63J-183X | MG RESISTOR | 18kΩ 1/16W J |
| R267 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R629 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R268 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R630 | NRSA63J-273X | MG RESISTOR | 27kΩ 1/16W J |
| R269 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R631 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R270 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R632 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J |
| R271 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | R635 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J |
| R272 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | R637 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R273 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | R638 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R274 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | R639 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R275 | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J | R640 | NRSA63J-681X | MG RESISTOR | 680Ω 1/16W J |
| | | | | R641 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J |

| △Ref No. | Part No. | Part Name | Description Local |
|----------|-----------------|-----------------|-------------------|
| R642 | NRSA63J-681X | MG RESISTOR | 680Ω 1/16W J |
| R643 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R644 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R645 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R702 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R703 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R704 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R705 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R706 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R707 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R708 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R709 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R710 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J |
| L001 | QQL244K-270Z | PEAKING COIL | 27uH K |
| L002 | QQL244K-100Z | PEAKING COIL | 10uH K |
| L003 | QQL244K-100Z | PEAKING COIL | 10uH K |
| L101 | QQL244K-4R7Z | PEAKING COIL | 4.7uH K |
| CN001 | QGB1505J1-35 | CONNECTOR | B-B (1-35) |
| CN002 | QGC2507C1-96 | CONNECTOR | (1-96) |
| CN003 | QGB1506L1-16 | CONNECTOR | B-B (1-16) |
| CN004 | QGB1506L1-16 | CONNECTOR | B-B (1-16) |
| CN00B | QJK002-041614-E | SIN CR C-B WIRE | |
| J601 | QNN0596-001 | PIN JACK | AUDIO OUT |
| K001 | NQR0129-004X | FERRITE BEADS | |
| K101 | NQR0389-003X | FERRITE BEADS | |
| K102 | NQR0389-003X | FERRITE BEADS | |
| K551 | QQR0621-002Z | FERRITE BEADS | |
| K552 | QQR0621-002Z | FERRITE BEADS | |
| K601 | NQR0199-001X | FERRITE BEADS | |
| K602 | NQR0199-001X | FERRITE BEADS | |
| LC101 | NQR0431-001X | EMI FILTER | 0.22uF 50V Z |
| △TU001 | QAU0277-001 | TUNER | |
| X101 | QAX0773-001Z | CRYSTAL | 18.432000MHz |

POWER & DEF P.W. BOARD ASS'Y (SML-2302A-S2)

REFER TO PARTS LIST IN PAGE 3-10 FOR THIS P.W. BOARD.

CRT SOCKET P.W. BOARD ASS'Y (SML-3302A-U2)

REFER TO PARTS LIST IN PAGE 3-11 FOR THIS P.W. BOARD.

SIDE CONTROL P.W. BOARD ASS'Y (SML-8131A-U2)

REFER TO PARTS LIST IN PAGE 3-12 FOR THIS P.W. BOARD.

FRONT CONTROL P.W. BOARD ASS'Y (SML-8301A-U2)

REFER TO PARTS LIST IN PAGE 3-12 FOR THIS P.W. BOARD.

AV JACK P.W. BOARD ASS'Y (SML0J301A-U2)

REFER TO PARTS LIST IN PAGE 3-13 FOR THIS P.W. BOARD.

100HZ P.W. BOARD ASS'Y (SML0Z301A-U2)

REFER TO PARTS LIST IN PAGE 3-13 FOR THIS P.W. BOARD.

PRINTED WIRING BOARD PARTS LIST [AV-28H5SR]

MAIN P.W. BOARD ASS'Y (SML-1302A-U2)

REFER TO PARTS LIST IN PAGE 3-8 FOR THIS P.W. BOARD.

POWER & DEF P.W. BOARD ASS'Y (SML-2302A-U2)

| △Ref No. | Part No. | Part Name | Description | Local |
|----------|-----------------|-----------------|---------------|-------|
| IC401 | LA78041 | IC | | |
| IC461 | LM393P | IC | | |
| IC901 | STR-G9656-F3 | IC | | |
| △IC941 | QAL0515-001 | POWER TRANSF | | |
| IC951 | SE140N | IC | | |
| IC961 | PQ120RDA1SZ | IC | | |
| Q461 | RDN050N20 | POWER MOS FET | | |
| Q462 | KTC3199/YG/-T | TRANSISTOR | | |
| Q463 | KTC3199/YG/-T | TRANSISTOR | | |
| Q464 | KTA1267/YG/-T | TRANSISTOR | | |
| Q481 | DTC124ESA-T | DIGI TRANSISTOR | | |
| Q482 | KTC3199/YG/-T | TRANSISTOR | | |
| Q501 | BSN304-T | MOS FET | | |
| △Q521 | 2SC5904-RL | POW TRANSISTOR | H. OUT | |
| Q581 | 2SA1208/ST/Z1-T | TRANSISTOR | | |
| Q582 | DTC144ESA-T | DIGI TRANSISTOR | | |
| Q583 | KTC3199/YG/-T | TRANSISTOR | | |
| Q941 | KTC3199/YG/-T | TRANSISTOR | | |
| Q942 | KTC3199/YG/-T | TRANSISTOR | | |
| D402 | 1SR35-400A-T2 | SI DIODE | | |
| D461 | FR105GT-T3 | SI DIODE | | |
| D462 | 1SS133-T2 | SI DIODE | | |
| D463 | 1SS133-T2 | SI DIODE | | |
| D481 | 1SS133-T2 | SI DIODE | | |
| D501 | 1SS244-T2 | SI DIODE | | |
| D521 | V11CA-C1 | SI DIODE | | |
| D522 | FMV-3FU-F1 | SI DIODE | | |
| D523 | MTZJ22B-T2 | Z DIODE | | |
| D525 | FR105GT-T3 | SI DIODE | | |
| D541 | FR105GT-T3 | SI DIODE | | |
| D542 | MTZJ3.9B-T2 | Z DIODE | | |
| D551 | FR105GT-T3 | SI DIODE | | |
| D552 | FR105GT-T3 | SI DIODE | | |
| D553 | FR105GT-T3 | SI DIODE | | |
| D582 | MTZJ7.5B-T2 | Z DIODE | | |
| D583 | MTZJ7.5S-T2 | Z DIODE | | |
| D584 | FR105GT-T3 | SI DIODE | | |
| D901 | D3SBA60 | DIODE | | |
| D902 | FR107GT-T3 | SI DIODE | | |
| D904 | FR105GT-T3 | SI DIODE | | |
| D905 | 1SS133-T2 | SI DIODE | | |
| D906 | MTZJ27B-T2 | Z DIODE | | |
| D907 | 1SS133-T2 | SI DIODE | | |
| D910 | MTZJ15B-T2 | Z DIODE | | |
| D911 | 1SS133-T2 | SI DIODE | | |
| D931 | S1WB/A/60-4101 | BRIDGE DIODE | | |
| D945 | 1SS133-T2 | SI DIODE | | |
| D951 | RU4AM-LFT2 | SI DIODE | | |
| D952 | RU4AM-LFT2 | SI DIODE | | |
| D953 | FR105GT-T3 | SI DIODE | | |
| D954 | HER202G-FL | SI DIODE | | |
| D956 | FSF05A20 | SI DIODE | | |
| D958 | MTZJ33B-T2 | Z DIODE | | |
| D959 | 1SS133-T2 | SI DIODE | | |
| D981 | 1SS133-T2 | SI DIODE | | |
| D983 | 1SS133-T2 | SI DIODE | | |
| C404 | QFVF1HJ-104Z | MF CAPACITOR | 0.1uF 50V J | |
| C405 | QDC31HJ-820Z | C CAPACITOR | 82pF 50V J | |
| C406 | QETM1VM-108 | E CAPACITOR | 1000uF 35V M | |
| C408 | QETN1VM-337Z | E CAPACITOR | 330uF 35V M | |
| C409 | QFVF1HJ-474Z | MF CAPACITOR | 0.47uF 50V J | |
| C410 | QFVF1HJ-474Z | MF CAPACITOR | 0.47uF 50V J | |
| C411 | QFLC2AJ-104Z | M CAPACITOR | 0.1uF 100V J | |
| C414 | QCB31HK-682Z | C CAPACITOR | 6800pF 50V K | |
| C415 | QDC31HJ-470Z | C CAPACITOR | 47pF 50V J | |
| C461 | QE20414-226 | BP E CAPACITOR | 22uF 50V M | |
| C462 | QFN32DJ-152Z | M CAPACITOR | 1500pF 200V J | |
| C463 | QFN32DJ-152Z | M CAPACITOR | 1500pF 200V J | |
| C464 | QFVF1HJ-104Z | MF CAPACITOR | 0.1uF 50V J | |
| C465 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| C466 | QFP31HJ-272Z | PP CAPACITOR | 2700pF 50V J | |
| C467 | QFLC1HJ-102Z | M CAPACITOR | 1000pF 50V J | |
| C468 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M | |

| △Ref No. | Part No. | Part Name | Description | Local |
|----------|---------------|---------------|------------------|-------|
| C470 | QCS31HJ-470Z | C CAPACITOR | 47pF 50V J | |
| C471 | QFLC1HJ-103Z | M CAPACITOR | 0.01uF 50V J | |
| C481 | QETN1HM-105Z | E CAPACITOR | 1uF 50V M | |
| C501 | QCB32HK-331Z | C CAPACITOR | 330pF 500V K | |
| C502 | QFN32DK-103 | M CAPACITOR | 0.01uF 200V K | |
| C503 | QFVF1HJ-224Z | MF CAPACITOR | 0.22uF 50V J | |
| C521 | QFZ0122-112 | MPP CAPACITOR | 1100pF 1.8kV H | |
| C522 | QFZ0196-113 | MPP CAPACITOR | 0.011uF 1.5kV H | |
| C523 | QFN32DJ-393 | M CAPACITOR | 0.039uF 200V J | |
| C524 | QFP32JJ-223 | PP CAPACITOR | 0.022uF 630V J | |
| C526 | QFZ0197-204 | MPP CAPACITOR | 0.2uF 250V J | |
| C527 | QFZ0197-124 | MPP CAPACITOR | 0.12uF 250V J | |
| C529 | QFZ0197-154 | MPP CAPACITOR | 0.15uF 250V J | |
| C530 | QCB32HK-561Z | C CAPACITOR | 560pF 500V K | |
| C531 | QFZ0194-534 | MPP CAPACITOR | 0.53uF 250V J | |
| C532 | QETM2CM-227 | E CAPACITOR | 220uF 160V M | |
| C533 | QETN2EM-475Z | E CAPACITOR | 4.7uF 250V M | |
| C541 | QFVF1HJ-105Z | MF CAPACITOR | 1uF 50V J | |
| C551 | QCB32HK-152Z | C CAPACITOR | 1500pF 500V K | |
| C552 | QETN1CM-108Z | E CAPACITOR | 1000uF 16V M | |
| C553 | QCB32HK-152Z | C CAPACITOR | 1500pF 500V K | |
| C554 | QETN1CM-108Z | E CAPACITOR | 1000uF 16V M | |
| C556 | QETN2EM-106Z | E CAPACITOR | 10uF 250V M | |
| C558 | QETN1CM-477Z | E CAPACITOR | 470uF 16V M | |
| C581 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M | |
| C582 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M | |
| C583 | QETN2AM-106Z | E CAPACITOR | 10uF 100V M | |
| C584 | QETN1AM-227Z | E CAPACITOR | 220uF 10V M | |
| △C901 | QFZ9072-473 | MM CAPACITOR | 0.047uF AC250V K | |
| △C902 | QFZ9072-104 | MM CAPACITOR | 0.1uF AC250V K | |
| △C903 | QFZ9072-473 | MM CAPACITOR | 0.047uF AC250V K | |
| △C904 | QCZ9054-472 | C CAPACITOR | 4700pF AC250V Z | |
| △C905 | QCZ9054-472 | C CAPACITOR | 4700pF AC250V Z | |
| △C906 | QCZ9054-472 | C CAPACITOR | 4700pF AC250V Z | |
| C907 | QE20649-227 | E CAPACITOR | 220uF 400V M | |
| C908 | QCB32HK-103 | C CAPACITOR | 0.01uF 500V K | |
| C909 | QCZ0340-391 | C CAPACITOR | 390pF 2kV K | |
| C910 | QETN1HM-476Z | E CAPACITOR | 47uF 50V M | |
| C911 | QCB31HK-102Z | C CAPACITOR | 1000pF 50V K | |
| C912 | QCZ0340-561 | C CAPACITOR | 560pF 2kV K | |
| C914 | QCB31HK-471Z | C CAPACITOR | 470pF 50V K | |
| C915 | QFLC1HJ-104Z | M CAPACITOR | 0.1uF 50V J | |
| C916 | QCB32HK-152Z | C CAPACITOR | 1500pF 500V K | |
| △C931 | QCZ9054-472 | C CAPACITOR | 4700pF AC250V Z | |
| △C932 | QCZ9054-472 | C CAPACITOR | 4700pF AC250V Z | |
| △C933 | QCZ9054-472 | C CAPACITOR | 4700pF AC250V Z | |
| C934 | QE20632-226 | E CAPACITOR | 22uF 400V M | |
| C941 | QTMN1CM-477Z | E CAPACITOR | 470uF 16V M | |
| C942 | QETN1AM-337Z | E CAPACITOR | 330uF 10V M | |
| C951 | QE20203-227 | E CAPACITOR | 220uF 160V M | |
| C952 | QE20255-228 | E CAPACITOR | 2200uF 16V M | |
| C953 | QETN1CM-108Z | E CAPACITOR | 1000uF 16V M | |
| C954 | QETM1VM-228 | E CAPACITOR | 2200uF 35V M | |
| C956 | QETM1AM-338 | E CAPACITOR | 3300uF 10V M | |
| C959 | QFVF1HJ-684Z | MF CAPACITOR | 0.68uF 50V J | |
| C960 | QCZ0325-821 | C CAPACITOR | 820pF 2kV K | |
| C968 | QETM1AM-338 | E CAPACITOR | 3300uF 10V M | |
| C991 | QCZ9079-102 | C CAPACITOR | 1000pF AC250V M | |
| C993 | QCZ9079-222 | C CAPACITOR | 2200pF AC250V M | |
| R401 | QRE141J-562Y | C RESISTOR | 5.6kΩ 1/4W J | |
| R402 | QRE141J-562Y | C RESISTOR | 5.6kΩ 1/4W J | |
| R403 | QRE141J-222Y | C RESISTOR | 2.2kΩ 1/4W J | |
| R404 | QRX01GJ-1R0 | MF RESISTOR | 1Ω 1W J | |
| R405 | QRL029J-151 | OMF RESISTOR | 150Ω 2W J | |
| R406 | QRE141J-222Y | C RESISTOR | 2.2kΩ 1/4W J | |
| R407 | QRX01GJ-1R5 | MF RESISTOR | 1.5Ω 1W J | |
| R408 | QRX01GJ-1R5 | MF RESISTOR | 1.5Ω 1W J | |
| R409 | QRE141J-823Y | C RESISTOR | 82kΩ 1/4W J | |
| R410 | QRE141J-103Y | C RESISTOR | 10kΩ 1/4W J | |
| R461 | QRG029J-820 | OMF RESISTOR | 82Ω 2W J | |
| R462 | QRE141J-473Y | C RESISTOR | 47kΩ 1/4W J | |
| R463 | QRE141J-682Y | C RESISTOR | 6.8kΩ 1/4W J | |
| R464 | QRX01GJ-2R7 | MF RESISTOR | 2.7Ω 1W J | |
| R468 | QRE141J-102Y | C RESISTOR | 1kΩ 1/4W J | |
| R469 | QRE141J-272Y | C RESISTOR | 2.7kΩ 1/4W J | |
| R471 | QRE141J-391Y | C RESISTOR | 390Ω 1/4W J | |
| R472 | QRA14CF-1002Y | CMF RESISTOR | 10kΩ 1/4W F | |
| R473 | QRE141J-473Y | C RESISTOR | 47kΩ 1/4W J | |
| R474 | QRE141J-103Y | C RESISTOR | 10kΩ 1/4W J | |
| R475 | QRE141J-102Y | C RESISTOR | 1kΩ 1/4W J | |
| R476 | QRE141J-102Y | C RESISTOR | 1kΩ 1/4W J | |
| R477 | QRE141J-563Y | C RESISTOR | 56kΩ 1/4W J | |
| R478 | QRE141J-333Y | C RESISTOR | 33kΩ 1/4W J | |

| △Ref No. | Part No. | Part Name | Description Local |
|----------|---------------|-----------------|-------------------|
| R481 | QRE141J-274Y | C RESISTOR | 270kΩ 1/4W J |
| R482 | QRE141J-103Y | C RESISTOR | 10kΩ 1/4W J |
| R501 | QRE141J-471Y | C RESISTOR | 470Ω 1/4W J |
| R502 | QRE141J-123Y | C RESISTOR | 12kΩ 1/4W J |
| R503 | QRE121J-152Y | C RESISTOR | 1.5kΩ 1/2W J |
| R504 | QRL039J-222 | OMF RESISTOR | 2.2kΩ 3W J |
| R505 | QRL039J-222 | OMF RESISTOR | 2.2kΩ 3W J |
| R506 | QRE121J-5R6Y | C RESISTOR | 5.6Ω 1/2W J |
| R521 | QRE121J-471Y | C RESISTOR | 470Ω 1/2W J |
| R522 | QRE141J-333Y | C RESISTOR | 33kΩ 1/4W J |
| R523 | QRE141J-103Y | C RESISTOR | 10kΩ 1/4W J |
| R524 | QRC121K-152Z | COMP RESISTOR | 1.5kΩ 1/2W K |
| R525 | QRL039J-103 | OMF RESISTOR | 10kΩ 3W J |
| R541 | QRE141J-222Y | C RESISTOR | 2.2kΩ 1/4W J |
| R542 | QRE141J-222Y | C RESISTOR | 2.2kΩ 1/4W J |
| R543 | QRE121J-272Y | C RESISTOR | 2.7kΩ 1/2W J |
| R551 | QRT039J-3R3 | MF RESISTOR | 3.3Ω 3W J |
| R552 | QRT039J-3R3 | MF RESISTOR | 3.3Ω 3W J |
| R581 | QRF154K-4R7 | UNF WW RESISTOR | 4.7Ω 15W K |
| R582 | QRE141J-681Y | C RESISTOR | 680Ω 1/4W J |
| R583 | QRE121J-682Y | C RESISTOR | 6.8kΩ 1/2W J |
| R584 | QRE141J-183Y | C RESISTOR | 18kΩ 1/4W J |
| R585 | QRE141J-222Y | C RESISTOR | 2.2kΩ 1/4W J |
| R586 | QRA14CF-7501Y | CMF RESISTOR | 7.5kΩ 1/4W F |
| R587 | QRA14CF-2101Y | CMF RESISTOR | 2.1kΩ 1/4W F |
| R588 | QRE141J-103Y | C RESISTOR | 10kΩ 1/4W J |
| △R591 | QRZ9017-4R7 | FUSI RESISTOR | 4.7Ω 1/4W J |
| R901 | QRE121J-331Y | C RESISTOR | 330Ω 1/2W J |
| R902 | QRF054K-3R3 | UNF WW RESISTOR | 3.3Ω 5W K |
| R903 | QRF104K-3R9 | UNF WW RESISTOR | 3.9Ω 10W K |
| R904 | QRL039J-683 | OMF RESISTOR | 68kΩ 3W J |
| R905 | QRE121J-474Y | C RESISTOR | 470kΩ 1/2W J |
| R906 | QRE121J-474Y | C RESISTOR | 470kΩ 1/2W J |
| R908 | QRL039J-823 | OMF RESISTOR | 82kΩ 3W J |
| R909 | QRL039J-823 | OMF RESISTOR | 82kΩ 3W J |
| R910 | QRE121J-680Y | C RESISTOR | 68Ω 1/2W J |
| R911 | QRE121J-332Y | C RESISTOR | 3.3kΩ 1/2W J |
| R914 | QRZ0237-R10 | UNF WW RESISTOR | 0.1Ω |
| R915 | QRE121J-681Y | C RESISTOR | 680Ω 1/2W J |
| R916 | QRE121J-152Y | C RESISTOR | 1.5kΩ 1/2W J |
| R944 | QRE141J-103Y | C RESISTOR | 10kΩ 1/4W J |
| R945 | QRE141J-563Y | C RESISTOR | 56kΩ 1/4W J |
| R946 | QRE141J-103Y | C RESISTOR | 10kΩ 1/4W J |
| R949 | QRE141J-334Y | C RESISTOR | 330kΩ 1/4W J |
| R951 | QRE121J-222Y | C RESISTOR | 2.2kΩ 1/2W J |
| R952 | QRL039J-223 | OMF RESISTOR | 22kΩ 3W J |
| R953 | QRT039J-R33 | MF RESISTOR | 0.33Ω 3W J |
| R981 | QRE141J-153Y | C RESISTOR | 15kΩ 1/4W J |
| R982 | QRE141J-102Y | C RESISTOR | 1kΩ 1/4W J |
| △R991 | QRZ9046-825Z | C RESISTOR | 8.2MΩ 1/2W K |
| R992 | QRZ9046-105Z | C RESISTOR | 1MΩ 1/2W K |
| L461 | QQR1195-001 | CHOKE COIL | |
| L462 | QQR1422-001 | CHOKE COIL | |
| L521 | QQLZ031-180 | CHOKE COIL | 18uH |
| L522 | QQR1191-002 | LINEARITY COIL | |
| L551 | QQLZ026-540 | COIL | 54uH A}7% |
| L901 | QQL401K-100Z | CHOKE COIL | 10uH K |
| L902 | QQL401K-100Z | CHOKE COIL | 10uH K |
| △L903 | QQR1200-001 | CHOKE COIL | |
| L941 | QQL26AM-4R7Z | CHOKE COIL | 4.7uH M |
| L942 | QQL26AK-220Z | CHOKE COIL | 22uH K |
| L951 | QQLZ026-460 | COIL | 46uH A}7% |
| T501 | QQR1111-001 | LINEARITY COIL | |
| △T901 | QQS0258-001 | SW TRANSF | |
| CN003 | QGB1506M1-16 | CONNECTOR | B-B (1-16) |
| CN004 | QGB1506M1-16 | CONNECTOR | B-B (1-16) |
| CN0HV | QGGZ8005C3-05 | CONNECTOR | (1-5) |
| △CP931 | QMFZ052-2R0-E | FUSE | 2A AC250V |
| △CP951 | ICP-N75-T | IC PROTECTOR | 2.7A |
| △CP952 | ICP-N75-T | IC PROTECTOR | 2.7A |
| △CP954 | ICP-N75-T | IC PROTECTOR | 2.7A |
| K401 | QQR0621-002Z | FERRITE BEADS | |
| K522 | QQR1114-001Z | FERRITE BEADS | |
| K523 | QQR1114-001Z | FERRITE BEADS | |
| K524 | QQR1114-001Z | FERRITE BEADS | |
| K901 | QQR1113-001Z | FERRITE BEADS | |
| K952 | QQR0621-002Z | FERRITE BEADS | |
| K953 | QQR0621-002Z | FERRITE BEADS | |
| K955 | QQR0621-002Z | FERRITE BEADS | |
| △LF901 | QQR1095-001 | LINE FILTER | |
| △PC901 | PC123Y22FZ | PHOTO COUPLER | |
| △RY941 | QSK0099-001 | RELAY | |
| △TH901 | QAD0121-9R0 | P THERMISTOR | 9Ω |

CRT SOCKET P.W. BOARD ASS'Y (SML-3302A-U2)

REFER TO PARTS LIST IN PAGE 3-11 FOR THIS P.W. BOARD.

SIDE CONTROL P.W. BOARD ASS'Y (SML-8131A-U2)

REFER TO PARTS LIST IN PAGE 3-12 FOR THIS P.W. BOARD.

FRONT CONTROL P.W. BOARD ASS'Y (SML-8301A-U2)

REFER TO PARTS LIST IN PAGE 3-12 FOR THIS P.W. BOARD.

AV JACK P.W. BOARD ASS'Y (SML0J301A-U2)

REFER TO PARTS LIST IN PAGE 3-13 FOR THIS P.W. BOARD.

100HZ P.W. BOARD ASS'Y (SML0Z301A-U2)

REFER TO PARTS LIST IN PAGE 3-13 FOR THIS P.W. BOARD.

PRINTED WIRING BOARD PARTS LIST [AV-28H50SU]

MAIN P.W. BOARD ASS'Y (SML-1302A-U2)

REFER TO PARTS LIST IN PAGE 3-8 FOR THIS P.W. BOARD.

AV JACK P.W. BOARD ASS'Y (SML0J301A-U2)

REFER TO PARTS LIST IN PAGE 3-13 FOR THIS P.W. BOARD.

POWER & DEF P.W. BOARD ASS'Y (SML-2302A-S2)

REFER TO PARTS LIST IN PAGE 3-10 FOR THIS P.W. BOARD.

100HZ P.W. BOARD ASS'Y (SML0Z301A-U2)

REFER TO PARTS LIST IN PAGE 3-13 FOR THIS P.W. BOARD.

CRT SOCKET P.W. BOARD ASS'Y (SML-3302A-U2)

REFER TO PARTS LIST IN PAGE 3-11 FOR THIS P.W. BOARD.

SIDE CONTROL P.W. BOARD ASS'Y (SML-8133A-U2)

| △Ref No. | Part No. | Part Name | Description Local |
|----------|--------------|---------------|-------------------|
| C8101 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C8102 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C8103 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K |
| C8104 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K |
| C8131 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K |
| C8132 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K |
| C8133 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| R8101 | NRSA63J-821X | MG RESISTOR | 820Ω 1/16W J |
| R8102 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J |
| R8103 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R8111 | QRE121J-101Y | C RESISTOR | 100Ω 1/2W J |
| R8112 | QRE121J-101Y | C RESISTOR | 100Ω 1/2W J |
| R8113 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R8114 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R8133 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| L8111 | QQL244K-5R6Z | PEAKING COIL | 5.6uH K |
| L8112 | QQL244K-5R6Z | PEAKING COIL | 5.6uH K |
| L8131 | QQL244K-270Z | PEAKING COIL | 27uH K |
| L8132 | QQL244K-270Z | PEAKING COIL | 27uH K |
| J8111 | QMS3001-C01 | 3.5 JACK | HEADPHONE |
| J8131 | QNN0591-001 | PIN JACK | EXT-4(V/L/R) |
| J8132 | QND0084-001 | S JACK | EXT-4(S) |
| K8111 | NQR0129-004X | FERRITE BEADS | |
| K8131 | NQR0129-004X | FERRITE BEADS | |
| S8101 | QSW0619-003Z | TACT SWITCH | CH UP |
| S8102 | QSW0619-003Z | TACT SWITCH | MENU |
| S8103 | QSW0619-003Z | TACT SWITCH | CH DOWN |

FRONT CONTROL P.W. BOARD ASS'Y (SML-8302A-U2)

| △Ref No. | Part No. | Part Name | Description Local |
|----------|-----------------|-----------------|-------------------|
| IC8851 | GP1UM281QKVF | IR DETECT UNIT | |
| Q8801 | UN2212-X | DIGI TRANSISTOR | |
| D8801 | LH22440 | LED | POWER |
| C8851 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C8852 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| △C8901 | QFZ9072-474 | MM CAPACITOR | 0.47uF AC250V K |
| R8801 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R8802 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J |
| R8804 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R8851 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R8852 | QRE121J-470Y | C RESISTOR | 47Ω 1/2W J |
| △F8901 | WJK0200-008A-E | E-SI C WIRE C-B | |
| △LF8901 | QMF5AD2-3R15-J1 | FUSE | 3.15A AC250V |
| △S8901 | QQR1095-001 | LINE FILTER | |
| △S8901 | QSW0824-001 | PUSH SWITCH | POWER |

PRINTED WIRING BOARD PARTS LIST

[AV-32H5BU, AV-32H5SU]

MAIN P.W. BOARD ASS'Y (SML-1301A-U2)

| △Ref No. | Part No. | Part Name | Description Local |
|----------|-----------------|-----------------|-------------------|
| IC101 | MSP3415GQGB8V3M | IC | |
| IC201 | CXA2089Q-X | IC | |
| IC501 | LM324D-X | IC | |
| IC551 | LA6515 | IC | |
| IC601 | AN5277 | IC | |
| IC701 | ATE32-32H5BU | IC | (SERVICE) |
| IC901 | AN78L08-T | IC | |
| IC902 | MM1565AF-X | IC | |
| IC903 | L7809CP | IC | |
| Q001 | 2SC3928A/QR/-X | TRANSISTOR | |
| Q002 | 2SC3928A/QR/-X | TRANSISTOR | |
| Q101 | UN2213-X | DIGI TRANSISTOR | |
| Q201 | 2SC3928A/QR/-X | TRANSISTOR | |
| Q202 | 2SC3928A/QR/-X | TRANSISTOR | |
| Q207 | UN2226-X | DIGI TRANSISTOR | |
| Q210 | 2SA1530A/QR/-X | TRANSISTOR | |
| Q211 | UN2226-X | DIGI TRANSISTOR | |
| Q212 | 2SA1530A/QR/-X | TRANSISTOR | |
| Q213 | UN2226-X | DIGI TRANSISTOR | |
| Q214 | UN2226-X | DIGI TRANSISTOR | |
| Q215 | KTA1267/YG/-T | TRANSISTOR | |
| Q216 | 2SC3928A/QR/-X | TRANSISTOR | |
| Q217 | KTC3199/YG/-T | TRANSISTOR | |
| Q219 | 2SC3928A/QR/-X | TRANSISTOR | |
| Q305 | KTC3199/YG/-T | TRANSISTOR | |
| Q501 | 2SC3928A/QR/-X | TRANSISTOR | |
| Q502 | 2SC3928A/QR/-X | TRANSISTOR | |
| Q604 | 2SA1530A/QR/-X | TRANSISTOR | |
| Q605 | 2SC3928A/QR/-X | TRANSISTOR | |
| Q606 | 2SC3928A/QR/-X | TRANSISTOR | |
| Q609 | 2SA1530A/QR/-X | TRANSISTOR | |
| Q610 | UN2226-X | DIGI TRANSISTOR | |
| Q611 | UN2226-X | DIGI TRANSISTOR | |
| Q701 | 2SA1530A/QR/-X | TRANSISTOR | |
| Q702 | 2SC3928A/QR/-X | TRANSISTOR | |
| D201 | UDZS12B-X | Z DIODE | |
| D202 | UDZS12B-X | Z DIODE | |
| D203 | UDZS12B-X | Z DIODE | |
| D204 | UDZS12B-X | Z DIODE | |
| D205 | UDZS12B-X | Z DIODE | |
| D206 | UDZS12B-X | Z DIODE | |
| D207 | UDZS12B-X | Z DIODE | |
| D208 | UDZS12B-X | Z DIODE | |
| D209 | UDZS12B-X | Z DIODE | |
| D210 | UDZS12B-X | Z DIODE | |
| D211 | UDZS12B-X | Z DIODE | |
| D212 | UDZS12B-X | Z DIODE | |
| D213 | UDZS15B-X | Z DIODE | |
| D214 | UDZS15B-X | Z DIODE | |
| D501 | 1SS355-X | SI DIODE | |
| D502 | 1SS355-X | SI DIODE | |
| D503 | 1SS355-X | SI DIODE | |
| D504 | 1SS355-X | SI DIODE | |
| D604 | 1SS355-X | SI DIODE | |
| D605 | 1SS355-X | SI DIODE | |
| D606 | 1SS355-X | SI DIODE | |
| D607 | 1SS355-X | SI DIODE | |
| D701 | UDZS5.6B-X | Z DIODE | 1.5kΩ 1/10W J |
| D702 | UDZS5.6B-X | Z DIODE | 1.5kΩ 1/10W J |
| D703 | UDZS5.6B-X | Z DIODE | 1.5kΩ 1/10W J |
| D704 | UDZS5.6B-X | Z DIODE | 1.5kΩ 1/10W J |
| D705 | 1SS355-X | SI DIODE | |
| D981 | 1SS355-X | SI DIODE | |
| D982 | 1SS355-X | SI DIODE | |
| D983 | 1SS355-X | SI DIODE | |
| C001 | NCB31HK-222X | C CAPACITOR | 2200pF 50V K |
| C002 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C004 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C005 | QETN1CM-108Z | E CAPACITOR | 1000uF 16V M |
| C006 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C007 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C008 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C009 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C010 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| C011 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C012 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |

| △Ref No. | Part No. | Part Name | Description Local |
|----------|--------------|----------------|-------------------|
| C013 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C101 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C102 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C103 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C104 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C105 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C106 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C107 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C108 | QETN1HM-105Z | E CAPACITOR | 1uF 50V M |
| C109 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C110 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C111 | NCB21CK-105X | C CAPACITOR | 1uF 16V K |
| C112 | NCB21CK-105X | C CAPACITOR | 1uF 16V K |
| C113 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C114 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C115 | NDC31HJ-102X | C CAPACITOR | 1000pF 50V J |
| C116 | NDC31HJ-102X | C CAPACITOR | 1000pF 50V J |
| C117 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C118 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C119 | NDC31HJ-2R0X | C CAPACITOR | 2pF 50V J |
| C120 | NDC31HJ-2R0X | C CAPACITOR | 2pF 50V J |
| C121 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C122 | NDC31HJ-102X | C CAPACITOR | 1000pF 50V J |
| C123 | NDC31HJ-102X | C CAPACITOR | 1000pF 50V J |
| C124 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| C201 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C202 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C203 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C204 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| C205 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| C206 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C207 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| C209 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| C210 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C213 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| C215 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C216 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| C220 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C221 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C222 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C223 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| C224 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| C225 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C226 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C227 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C228 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C229 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C230 | QENC1EM-106Z | BP E CAPACITOR | 10uF 25V M |
| C231 | QENC1EM-106Z | BP E CAPACITOR | 10uF 25V M |
| C232 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C233 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C234 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C235 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C236 | QETN1CM-477Z | E CAPACITOR | 470uF 16V M |
| C237 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| C238 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| C239 | QETN1CM-477Z | E CAPACITOR | 470uF 16V M |
| C303 | QETN1CM-227Z | E CAPACITOR | 220uF 16V M |
| C304 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C308 | NCB31CK-224X | C CAPACITOR | 0.22uF 16V K |
| C310 | NCB31CK-224X | C CAPACITOR | 0.22uF 16V K |
| C503 | NDC31HJ-102X | C CAPACITOR | 1000pF 50V J |
| C504 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C505 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C506 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C507 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C508 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C509 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C510 | NCB31EK-333X | C CAPACITOR | 0.033uF 25V K |
| C515 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C551 | NCF31CZ-224X | C CAPACITOR | 0.22uF 16V Z |
| C552 | NCF31CZ-224X | C CAPACITOR | 0.22uF 16V Z |
| C553 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C554 | NCF31CZ-224X | C CAPACITOR | 0.22uF 16V Z |
| C555 | NCF31CZ-224X | C CAPACITOR | 0.22uF 16V Z |
| C561 | NDC31HJ-390X | C CAPACITOR | 39pF 50V J |
| C612 | NCB31HK-272X | C CAPACITOR | 2700pF 50V K |
| C613 | NCB31HK-272X | C CAPACITOR | 2700pF 50V K |
| C614 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C615 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C619 | QETM1VM-228 | E CAPACITOR | 2200uF 35V M |

| △Ref No. | Part No. | Part Name | Description Local | △Ref No. | Part No. | Part Name | Description Local |
|----------|--------------|-------------|-------------------|----------|--------------|----------------|-------------------|
| C622 | QETN1EM-108Z | E CAPACITOR | 1000uF 25V M | R265 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| C623 | QETN1EM-108Z | E CAPACITOR | 1000uF 25V M | R266 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| C624 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | R267 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| C626 | QETN1EM-108Z | E CAPACITOR | 1000uF 25V M | R268 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| C627 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | R269 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| C629 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | R270 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| C630 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | R271 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| C631 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | R272 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| C632 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | R273 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| C633 | QETN1HM-107Z | E CAPACITOR | 100uF 50V M | R274 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| C636 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | R275 | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J |
| C637 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | R276 | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J |
| C701 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | R277 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| C702 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | R278 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| C711 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | R279 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| C901 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M | R280 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| C902 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K | R281 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| C903 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M | R282 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| C904 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z | R283 | QRG01GJ-101 | OMF RESISTOR | 100Ω 1W J |
| C905 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | R284 | QRK126J-181X | UNF C RESISTOR | 180Ω 1/2W J |
| C906 | NCB20JK-225X | C CAPACITOR | 2.2uF 6.3V K | R285 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| C907 | NDC31HJ-471X | C CAPACITOR | 470pF 50V J | R286 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| C908 | QETN1AM-477Z | E CAPACITOR | 470uF 10V M | R287 | QRK126J-151X | UNF C RESISTOR | 150Ω 1/2W J |
| C909 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | R288 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| C910 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M | R289 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R002 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R290 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R003 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R291 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R004 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R292 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J |
| R005 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R293 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R006 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | R294 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R007 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | R295 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R008 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | R296 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R009 | NRSA63J-681X | MG RESISTOR | 680Ω 1/16W J | R297 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R010 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | R298 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R011 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | R313 | QRK126J-331X | UNF C RESISTOR | 330Ω 1/2W J |
| R101 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R315 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R102 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R316 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J |
| R103 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | R317 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R201 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | R501 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R202 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | R502 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R205 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | R503 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R206 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | R504 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R208 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | R505 | NRSA63J-124X | MG RESISTOR | 120kΩ 1/16W J |
| R209 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | R506 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R210 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | R507 | NRSA63J-273X | MG RESISTOR | 27kΩ 1/16W J |
| R211 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | R509 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R212 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R510 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J |
| R213 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R511 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J |
| R214 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R512 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J |
| R215 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | R513 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R216 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | R514 | NRSA63J-392X | MG RESISTOR | 3.9kΩ 1/16W J |
| R217 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | R515 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R218 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | R516 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R220 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J | R517 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R221 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J | R518 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R222 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J | R519 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R226 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J | R520 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R227 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J | R521 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R229 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J | R523 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J |
| R232 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J | R524 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J |
| R233 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J | R525 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R234 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | R526 | NRSA63J-683X | MG RESISTOR | 68kΩ 1/16W J |
| R235 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | R527 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J |
| R236 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | R528 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R237 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | R529 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J |
| R238 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R530 | NRSA63J-105X | MG RESISTOR | 1MΩ 1/16W J |
| R239 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R531 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R240 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R532 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R241 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R533 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J |
| R242 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R536 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J |
| R243 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R537 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R244 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R551 | NRSA63J-124X | MG RESISTOR | 120kΩ 1/16W J |
| R245 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R552 | NRSA63J-100X | MG RESISTOR | 10Ω 1/16W J |
| R246 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R553 | NRSA63J-683X | MG RESISTOR | 68kΩ 1/16W J |
| R247 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R554 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| R249 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R555 | NRSA63J-154X | MG RESISTOR | 150kΩ 1/16W J |
| R251 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J | R556 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J |
| R253 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J | R557 | NRSA63J-100X | MG RESISTOR | 10Ω 1/16W J |
| R255 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J | R558 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| R258 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J | R559 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R259 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J | R560 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R260 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | R615 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R261 | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J | R616 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R262 | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J | R617 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J |
| R263 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | R620 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J |
| R264 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R621 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| | | | | R622 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |

| △Ref No. | Part No. | Part Name | Description Local |
|----------|--------------|-------------|-------------------|
| R625 | NRSA63J-183X | MG RESISTOR | 18kΩ 1/16W J |
| R629 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R630 | NRSA63J-273X | MG RESISTOR | 27kΩ 1/16W J |
| R631 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R632 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J |
| R635 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J |
| R637 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R638 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R639 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R640 | NRSA63J-681X | MG RESISTOR | 680Ω 1/16W J |
| R641 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J |
| R642 | NRSA63J-681X | MG RESISTOR | 680Ω 1/16W J |
| R643 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R644 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R645 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R702 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R703 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R704 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R705 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R706 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R707 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R708 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R709 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R710 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J |

| | | | |
|------|--------------|--------------|---------|
| L001 | QQL244K-270Z | PEAKING COIL | 27uH K |
| L002 | QQL244K-100Z | PEAKING COIL | 10uH K |
| L003 | QQL244K-100Z | PEAKING COIL | 10uH K |
| L101 | QQL244K-4R7Z | PEAKING COIL | 4.7uH K |

| | | | |
|--------|-----------------|-----------------|--------------|
| CN001 | QGB1505J1-35 | CONNECTOR | B-B (1-35) |
| CN002 | QGC2507C1-96 | CONNECTOR | (1-96) |
| CN003 | QGB1506L1-16 | CONNECTOR | B-B (1-16) |
| CN004 | QGB1506L1-16 | CONNECTOR | B-B (1-16) |
| CN00B | QJK002-041614-E | SIN CR C-B WIRE | |
| J601 | QNN0596-001 | PIN JACK | AUDIO OUT |
| K001 | NQR0129-004X | FERRITE BEADS | |
| K101 | NQR0389-003X | FERRITE BEADS | |
| K102 | NQR0389-003X | FERRITE BEADS | |
| K551 | QQR0621-002Z | FERRITE BEADS | |
| K552 | QQR0621-002Z | FERRITE BEADS | |
| K601 | NQR0199-001X | FERRITE BEADS | |
| K602 | NQR0199-001X | FERRITE BEADS | |
| LC101 | NQR0431-001X | EMI FILTER | 0.22uF 50V Z |
| △TU001 | QAU0276-002 | TUNER | |
| X101 | QAX0773-001Z | CRYSTAL | 18.432000MHz |

POWER & DEF P.W. BOARD ASS'Y (SML-2301A-S2)

| △Ref No. | Part No. | Part Name | Description Local |
|----------|-----------------|-----------------|-------------------|
| IC401 | LA78041 | IC | |
| IC461 | LM393P | IC | |
| IC901 | STR-G9656-F3 | IC | |
| △IC941 | QAL0515-001 | POWER TRANSF | |
| IC951 | SE140N | IC | |
| IC961 | PQ120RDA1SZ | IC | |
| Q461 | RDN050N20 | POWER MOS FET | |
| Q462 | KTC3199/YG/-T | TRANSISTOR | |
| Q463 | KTC3199/YG/-T | TRANSISTOR | |
| Q464 | KTA1267/YG/-T | TRANSISTOR | |
| Q481 | DTC124ESA-T | DIGI TRANSISTOR | |
| Q482 | KTC3199/YG/-T | TRANSISTOR | |
| Q501 | BSN304-T | MOS FET | |
| △Q521 | 2SC5905-RL | POW TRANSISTOR | H. OUT |
| Q581 | 2SA1208/ST/Z1-T | TRANSISTOR | |
| Q582 | DTC144ESA-T | DIGI TRANSISTOR | |
| Q583 | KTC3199/YG/-T | TRANSISTOR | |
| Q941 | KTC3199/YG/-T | TRANSISTOR | |
| Q942 | KTC3199/YG/-T | TRANSISTOR | |
| D402 | 1SR35-400A-T2 | SI DIODE | |
| D461 | FR105GT-T3 | SI DIODE | |
| D462 | 1SS133-T2 | SI DIODE | |
| D463 | 1SS133-T2 | SI DIODE | |
| D481 | 1SS133-T2 | SI DIODE | |
| D501 | 1SS244-T2 | SI DIODE | |
| D521 | V11CA-C1 | SI DIODE | |
| D522 | FMV-3FU-F1 | SI DIODE | |
| D523 | MTZJ22B-T2 | Z DIODE | |
| D525 | FR105GT-T3 | SI DIODE | |
| D541 | FR105GT-T3 | SI DIODE | |
| D542 | MTZJ3.9B-T2 | Z DIODE | |

| △Ref No. | Part No. | Part Name | Description Local |
|----------|----------------|--------------|-------------------|
| D551 | FR105GT-T3 | SI DIODE | |
| D552 | FR105GT-T3 | SI DIODE | |
| D553 | FR105GT-T3 | SI DIODE | |
| D582 | MTZJ7.5B-T2 | Z DIODE | |
| D583 | MTZJ7.5S-T2 | Z DIODE | |
| D584 | FR105GT-T3 | SI DIODE | |
| D901 | D3SBA60 | DIODE | |
| D902 | FR107GT-T3 | SI DIODE | |
| D904 | FR105GT-T3 | SI DIODE | |
| D905 | 1SS133-T2 | SI DIODE | |
| D906 | MTZJ27B-T2 | Z DIODE | |
| D907 | 1SS133-T2 | SI DIODE | |
| D910 | MTZJ15B-T2 | Z DIODE | |
| D911 | 1SS133-T2 | SI DIODE | |
| D931 | S1WB/A/60-4101 | BRIDGE DIODE | |
| D945 | 1SS133-T2 | SI DIODE | |
| D951 | RU4AM-LFT2 | SI DIODE | |
| D952 | RU4AM-LFT2 | SI DIODE | |
| D953 | FR105GT-T3 | SI DIODE | |
| D954 | HER202G-FL | SI DIODE | |
| D956 | FSF05A20 | SI DIODE | |
| D958 | MTZJ33B-T2 | Z DIODE | |
| D959 | 1SS133-T2 | SI DIODE | |
| D981 | 1SS133-T2 | SI DIODE | |
| D983 | 1SS133-T2 | SI DIODE | |

| | | | |
|-------|--------------|----------------|------------------|
| C404 | QFVF1HJ-104Z | MF CAPACITOR | 0.1uF 50V J |
| C405 | QDC31HJ-820Z | C CAPACITOR | 82pF 50V J |
| C406 | QETM1VM-108 | E CAPACITOR | 1000uF 35V M |
| C408 | QETN1VM-337Z | E CAPACITOR | 330uF 35V M |
| C409 | QFVF1HJ-474Z | MF CAPACITOR | 0.47uF 50V J |
| C410 | QFVF1HJ-474Z | MF CAPACITOR | 0.47uF 50V J |
| C411 | QFLC2AJ-104Z | M CAPACITOR | 0.1uF 100V J |
| C414 | QCB31HK-682Z | C CAPACITOR | 6800pF 50V K |
| C415 | QDC31HJ-470Z | C CAPACITOR | 47pF 50V J |
| C461 | QEZ0414-226 | BP E CAPACITOR | 22uF 50V M |
| C462 | QFN32DJ-152Z | M CAPACITOR | 1500pF 200V J |
| C463 | QFN32DJ-152Z | M CAPACITOR | 1500pF 200V J |
| C464 | QFVF1HJ-104Z | MF CAPACITOR | 0.1uF 50V J |
| C465 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C466 | QFP31HJ-272Z | PP CAPACITOR | 2700pF 50V J |
| C467 | QFLC1HJ-102Z | M CAPACITOR | 1000pF 50V J |
| C468 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C470 | QCS31HJ-470Z | C CAPACITOR | 47pF 50V J |
| C471 | QFLC1HJ-103Z | M CAPACITOR | 0.01uF 50V J |
| C481 | QETN1HM-105Z | E CAPACITOR | 1uF 50V M |
| C501 | QCB32HK-331Z | C CAPACITOR | 330pF 500V K |
| C502 | QFN32DK-103 | M CAPACITOR | 0.01uF 200V K |
| C503 | QFVF1HJ-224Z | MF CAPACITOR | 0.22uF 50V J |
| C521 | QFZ0122-112 | MPP CAPACITOR | 1100pF 1.8kV H |
| C522 | QFZ0196-113 | MPP CAPACITOR | 0.011uF 1.5kV H |
| C523 | QFN32DJ-393 | M CAPACITOR | 0.039uF 200V J |
| C524 | QFP32GJ-223 | PP CAPACITOR | 0.022uF 400V J |
| C526 | QFZ0197-204 | MPP CAPACITOR | 0.2uF 250V J |
| C527 | QFZ0197-823 | MPP CAPACITOR | 0.082uF 250V J |
| C529 | QFZ0197-184 | MPP CAPACITOR | 0.18uF 250V J |
| C530 | QCB32HK-561Z | C CAPACITOR | 560pF 500V K |
| C531 | QFZ0194-534 | MPP CAPACITOR | 0.53uF 250V J |
| C532 | QETM2CM-227 | E CAPACITOR | 220uF 160V M |
| C533 | QETN2EM-475Z | E CAPACITOR | 4.7uF 250V M |
| C541 | QFVF1HJ-105Z | MF CAPACITOR | 1uF 50V J |
| C551 | QCB32HK-152Z | C CAPACITOR | 1500pF 500V K |
| C552 | QETN1CM-108Z | E CAPACITOR | 1000uF 16V M |
| C553 | QCB32HK-152Z | C CAPACITOR | 1500pF 500V K |
| C554 | QETN1CM-108Z | E CAPACITOR | 1000uF 16V M |
| C555 | QCB32HK-102Z | C CAPACITOR | 1000pF 500V K |
| C556 | QETN2EM-106Z | E CAPACITOR | 10uF 250V M |
| C558 | QETN1CM-477Z | E CAPACITOR | 470uF 16V M |
| C581 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C582 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C583 | QETN2AM-106Z | E CAPACITOR | 10uF 100V M |
| C584 | QETN1AM-227Z | E CAPACITOR | 220uF 10V M |
| △C901 | QFZ9072-473 | MM CAPACITOR | 0.047uF AC250V K |
| △C902 | QFZ9072-104 | MM CAPACITOR | 0.1uF AC250V K |
| △C903 | QFZ9072-473 | MM CAPACITOR | 0.047uF AC250V K |
| △C904 | QCZ9054-472 | C CAPACITOR | 4700pF AC250V Z |
| △C905 | QCZ9054-472 | C CAPACITOR | 4700pF AC250V Z |
| △C906 | QCZ9054-472 | C CAPACITOR | 4700pF AC250V Z |
| C907 | QEZ0649-227 | E CAPACITOR | 220uF 400V M |
| C908 | QCB32HK-103 | C CAPACITOR | 0.01uF 500V K |
| C909 | QCZ0340-391 | C CAPACITOR | 390pF 2kV K |
| C910 | QETN1HM-476Z | E CAPACITOR | 47uF 50V M |
| C911 | QCB31HK-102Z | C CAPACITOR | 1000pF 50V K |
| C912 | QCZ0340-561 | C CAPACITOR | 560pF 2kV K |
| C914 | QCB31HK-471Z | C CAPACITOR | 470pF 50V K |
| C915 | QFLC1HJ-104Z | M CAPACITOR | 0.1uF 50V J |
| C916 | QCB32HK-152Z | C CAPACITOR | 1500pF 500V K |

| △Ref No. | Part No. | Part Name | Description Local | △Ref No. | Part No. | Part Name | Description Local |
|----------|---------------|------------------|-------------------|----------|----------------|----------------|-------------------|
| △C931 | QCZ9054-472 | C CAPACITOR | 4700pF AC250V Z | R953 | QRT039J-R33 | MF RESISTOR | 0.33Ω 3W J |
| △C932 | QCZ9054-472 | C CAPACITOR | 4700pF AC250V Z | R981 | QRE141J-153Y | C RESISTOR | 15kΩ 1/4W J |
| △C933 | QCZ9054-472 | C CAPACITOR | 4700pF AC250V Z | R982 | QRE141J-102Y | C RESISTOR | 1kΩ 1/4W J |
| C934 | QE20632-226 | E CAPACITOR | 22uF 400V M | △R991 | QRZ9046-825Z | C RESISTOR | 8.2MΩ 1/2W K |
| C941 | QTMN1CM-477Z | E CAPACITOR | 470uF 16V M | R992 | QRZ9046-105Z | C RESISTOR | 1MΩ 1/2W K |
| C942 | QETN1AM-337Z | E CAPACITOR | 330uF 10V M | | | | |
| C951 | QE20203-227 | E CAPACITOR | 220uF 160V M | L461 | QQR1195-001 | CHOKE COIL | |
| C952 | QE20255-228 | E CAPACITOR | 2200uF 16V M | L462 | QQR1422-001 | CHOKE COIL | |
| C953 | QETN1CM-108Z | E CAPACITOR | 1000uF 16V M | L521 | QQL2031-180 | CHOKE COIL | 18uH |
| C954 | QETM1VM-228 | E CAPACITOR | 2200uF 35V M | L522 | QQR1191-002 | LINEARITY COIL | |
| C956 | QETM1AM-338 | E CAPACITOR | 3300uF 10V M | L551 | QQL2026-540 | COIL | 54uH A)7% |
| C959 | QFVF1HJ-684Z | MF CAPACITOR | 0.68uF 50V J | L901 | QQL401K-100Z | CHOKE COIL | 10uH K |
| C960 | QCZ0325-821 | C CAPACITOR | 820pF 2kV K | L902 | QQL401K-100Z | CHOKE COIL | 10uH K |
| C968 | QETM1AM-338 | E CAPACITOR | 3300uF 10V M | △L903 | QQR1200-001 | CHOKE COIL | |
| C991 | QCZ9079-102 | C CAPACITOR | 1000pF AC250V M | L941 | QQL26AM-4R7Z | CHOKE COIL | 4.7uH M |
| C993 | QCZ9079-222 | C CAPACITOR | 2200pF AC250V M | L942 | QQL26AK-220Z | CHOKE COIL | 22uH K |
| | | | | L951 | QQL2026-460 | COIL | 46uH A)7% |
| | | | | T501 | QQR1111-001 | LINEARITY COIL | |
| R401 | QRE141J-562Y | C RESISTOR | 5.6kΩ 1/4W J | △T901 | QQS0258-001 | SW TRANSF | |
| R402 | QRE141J-562Y | C RESISTOR | 5.6kΩ 1/4W J | | | | |
| R403 | QRE141J-222Y | C RESISTOR | 2.2kΩ 1/4W J | CN003 | QGB1506M1-16 | CONNECTOR | B-B (1-16) |
| R404 | QRX01GJ-1R0 | MF RESISTOR | 1Ω 1W J | CN004 | QGB1506M1-16 | CONNECTOR | B-B (1-16) |
| R405 | QRL029J-151 | OMF RESISTOR | 150Ω 2W J | CN0HV | QGZ8005C3-05 | CONNECTOR | (1-5) |
| R406 | QRE141J-222Y | C RESISTOR | 2.2kΩ 1/4W J | △CP931 | QMF2052-2R0-E | FUSE | 2A AC250V |
| R407 | QRX01GJ-1R5 | MF RESISTOR | 1.5Ω 1W J | △CP951 | ICP-N75-T | IC PROTECTOR | 2.7A |
| R408 | QRX01GJ-1R5 | MF RESISTOR | 1.5Ω 1W J | △CP952 | ICP-N75-T | IC PROTECTOR | 2.7A |
| R409 | QRE141J-823Y | C RESISTOR | 82kΩ 1/4W J | △CP954 | ICP-N75-T | IC PROTECTOR | 2.7A |
| R410 | QRE141J-103Y | C RESISTOR | 10kΩ 1/4W J | K401 | QQR0621-002Z | FERRITE BEADS | |
| R461 | QRG029J-820 | OMF RESISTOR | 82Ω 2W J | K522 | QQR1114-001Z | FERRITE BEADS | |
| R462 | QRE141J-473Y | C RESISTOR | 47kΩ 1/4W J | K523 | QQR1114-001Z | FERRITE BEADS | |
| R463 | QRE141J-682Y | C RESISTOR | 6.8kΩ 1/4W J | K524 | QQR1114-001Z | FERRITE BEADS | |
| R464 | QRX01GJ-3R3 | MF RESISTOR | 3.3Ω 1W J | K901 | QQR1113-001Z | FERRITE BEADS | |
| R468 | QRE141J-102Y | C RESISTOR | 1kΩ 1/4W J | K952 | QQR0621-002Z | FERRITE BEADS | |
| R469 | QRE141J-272Y | C RESISTOR | 2.7kΩ 1/4W J | K953 | QQR0621-002Z | FERRITE BEADS | |
| R471 | QRE141J-391Y | C RESISTOR | 390Ω 1/4W J | K955 | QQR0621-002Z | FERRITE BEADS | |
| R472 | QRA14CF-1002Y | CMF RESISTOR | 10kΩ 1/4W F | △LF901 | QQR1095-001 | LINE FILTER | |
| R473 | QRE141J-473Y | C RESISTOR | 47kΩ 1/4W J | △PC901 | PC123Y22FZ | PHOTO COUPLER | |
| R474 | QRE141J-103Y | C RESISTOR | 10kΩ 1/4W J | △RY941 | QSK0099-001 | RELAY | |
| R475 | QRE141J-102Y | C RESISTOR | 1kΩ 1/4W J | △TH901 | QAD0121-9R0 | P THERMISTOR | 9Ω |
| R476 | QRE141J-102Y | C RESISTOR | 1kΩ 1/4W J | | | | |
| R477 | QRE141J-563Y | C RESISTOR | 56kΩ 1/4W J | | | | |
| R478 | QRE141J-333Y | C RESISTOR | 33kΩ 1/4W J | | | | |
| R481 | QRE141J-224Y | C RESISTOR | 220kΩ 1/4W J | | | | |
| R482 | QRE141J-103Y | C RESISTOR | 10kΩ 1/4W J | | | | |
| R501 | QRE141J-471Y | C RESISTOR | 470Ω 1/4W J | | | | |
| R502 | QRE141J-123Y | C RESISTOR | 12kΩ 1/4W J | | | | |
| R503 | QRE121J-152Y | C RESISTOR | 1.5kΩ 1/2W J | | | | |
| R504 | QRL039J-222 | OMF RESISTOR | 2.2kΩ 3W J | | | | |
| R505 | QRL039J-222 | OMF RESISTOR | 2.2kΩ 3W J | IC3201 | TDA6111Q/N4 | IC | |
| R506 | QRE121J-5R6Y | C RESISTOR | 5.6Ω 1/2W J | IC3202 | TDA6111Q/N4 | IC | |
| R521 | QRE121J-471Y | C RESISTOR | 470Ω 1/2W J | IC3203 | TDA6111Q/N4 | IC | |
| R522 | QRE141J-333Y | C RESISTOR | 33kΩ 1/4W J | | | | |
| R523 | QRE141J-103Y | C RESISTOR | 10kΩ 1/4W J | Q3104 | 2SC3928A/QR/-X | TRANSISTOR | |
| R524 | QRC121K-152Z | COMP RESISTOR | 1.5kΩ 1/2W K | Q3105 | 2SC1627A/OY/-T | SI TRANSISTOR | |
| R525 | QRL039J-103 | OMF RESISTOR | 10kΩ 3W J | Q3108 | 2SA2005/DE/- | POW TRANSISTOR | |
| R541 | QRE141J-222Y | C RESISTOR | 2.2kΩ 1/4W J | Q3109 | 2SC5511/DE/- | POW TRANSISTOR | |
| R542 | QRE141J-222Y | C RESISTOR | 2.2kΩ 1/4W J | Q3301 | 2SA1530A/QR/-X | TRANSISTOR | |
| R543 | QRE121J-272Y | C RESISTOR | 2.7kΩ 1/2W J | Q3303 | 2SA1530A/QR/-X | TRANSISTOR | |
| R551 | QRT039J-3R3 | MF RESISTOR | 3.3Ω 3W J | Q3304 | 2SC3928A/QR/-X | TRANSISTOR | |
| R552 | QRT039J-3R3 | MF RESISTOR | 3.3Ω 3W J | | | | |
| R581 | QRF154K-4R7 | UNF VWW RESISTOR | 4.7Ω 15W K | D3102 | 1SS355-X | SI DIODE | |
| R582 | QRE141J-681Y | C RESISTOR | 680Ω 1/4W J | D3103 | FR105GT-T3 | SI DIODE | |
| R583 | QRE121J-682Y | C RESISTOR | 6.8kΩ 1/2W J | D3104 | FR105GT-T3 | SI DIODE | |
| R584 | QRE141J-183Y | C RESISTOR | 18kΩ 1/4W J | D3201 | FR105SGT-T2 | SI DIODE | |
| R585 | QRE141J-222Y | C RESISTOR | 2.2kΩ 1/4W J | D3202 | FR105SGT-T2 | SI DIODE | |
| R586 | QRA14CF-7501Y | CMF RESISTOR | 7.5kΩ 1/4W F | D3203 | FR105SGT-T2 | SI DIODE | |
| R587 | QRA14CF-2201Y | CMF RESISTOR | 2.2kΩ 1/4W F | D3204 | FR105GT-T3 | SI DIODE | |
| R588 | QRE141J-103Y | C RESISTOR | 10kΩ 1/4W J | D3205 | 1N4003SG-T2 | SI DIODE | |
| △R591 | QRZ9017-4R7 | FUSI RESISTOR | 4.7Ω 1/4W J | D3206 | 1N4003SG-T2 | SI DIODE | |
| R901 | QRE121J-331Y | C RESISTOR | 330Ω 1/2W J | D3207 | 1N4003SG-T2 | SI DIODE | |
| R902 | QRF054K-3R3 | UNF VWW RESISTOR | 3.3Ω 5W K | D3208 | MA8062/M/-X | Z DIODE | |
| R903 | QRF104K-3R9 | UNF VWW RESISTOR | 3.9Ω 10W K | D3209 | UDZS13B-X | Z DIODE | |
| R904 | QRL039J-683 | OMF RESISTOR | 68kΩ 3W J | D3210 | UDZS13B-X | Z DIODE | |
| R905 | QRE121J-474Y | C RESISTOR | 470kΩ 1/2W J | D3301 | 1SS355-X | SI DIODE | |
| R906 | QRE121J-474Y | C RESISTOR | 470kΩ 1/2W J | D3302 | 1SS355-X | SI DIODE | |
| R908 | QRL039J-823 | OMF RESISTOR | 82kΩ 3W J | D3303 | 1SS355-X | SI DIODE | |
| R909 | QRL039J-823 | OMF RESISTOR | 82kΩ 3W J | D3306 | UDZS3.6B-X | Z DIODE | |
| R910 | QRE121J-680Y | C RESISTOR | 68Ω 1/2W J | | | | |
| R911 | QRE121J-332Y | C RESISTOR | 3.3kΩ 1/2W J | C3106 | QETN1HM-335Z | E CAPACITOR | 3.3uF 50V M |
| R914 | QR20237-R10 | UNF VWW RESISTOR | 0.1Ω | C3107 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| R915 | QRE121J-681Y | C RESISTOR | 680Ω 1/2W J | C3110 | QETN2CM-106Z | E CAPACITOR | 10uF 160V M |
| R916 | QRE121J-152Y | C RESISTOR | 1.5kΩ 1/2W J | C3111 | QCB32HK-472Z | C CAPACITOR | 4700pF 500V K |
| R944 | QRE141J-103Y | C RESISTOR | 10kΩ 1/4W J | C3113 | QETN2CM-106Z | E CAPACITOR | 10uF 160V M |
| R945 | QRE141J-563Y | C RESISTOR | 56kΩ 1/4W J | C3114 | QCB32HK-472Z | C CAPACITOR | 4700pF 500V K |
| R946 | QRE141J-103Y | C RESISTOR | 10kΩ 1/4W J | C3116 | QETN1AM-107Z | E CAPACITOR | 100uF 10V M |
| R949 | QRE141J-334Y | C RESISTOR | 330kΩ 1/4W J | C3117 | QETN1AM-107Z | E CAPACITOR | 100uF 10V M |
| R951 | QRE121J-222Y | C RESISTOR | 2.2kΩ 1/2W J | C3118 | QEHR1AM-337Z | E CAPACITOR | 330uF 10V M |
| R952 | QRL039J-223 | OMF RESISTOR | 22kΩ 3W J | C3120 | NDC31HJ-561X | C CAPACITOR | 560pF 50V J |

CRT SOCKET P.W. BOARD ASS'Y (SML-3301A-U2)

| △Ref No. | Part No. | Part Name | Description Local |
|----------|-----------------|-----------------|-------------------|
| C3201 | NDC31HJ-8R0X | C CAPACITOR | 8pF 50V J |
| C3202 | NDC31HJ-8R0X | C CAPACITOR | 8pF 50V J |
| C3203 | NDC31HJ-8R0X | C CAPACITOR | 8pF 50V J |
| C3204 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3205 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3206 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3207 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C3208 | QEHR1VM-476Z | E CAPACITOR | 47uF 35V M |
| C3209 | QEHR1VM-476Z | E CAPACITOR | 47uF 35V M |
| C3210 | QFKC2EK-104Z | MM CAPACITOR | 0.1uF 250V K |
| C3211 | QFKC2EK-104Z | MM CAPACITOR | 0.1uF 250V K |
| C3212 | QFKC2EK-104Z | MM CAPACITOR | 0.1uF 250V K |
| C3213 | NDC31HJ-181X | C CAPACITOR | 180pF 50V J |
| C3214 | NDC31HJ-181X | C CAPACITOR | 180pF 50V J |
| C3215 | NDC31HJ-181X | C CAPACITOR | 180pF 50V J |
| C3216 | QETN1CM-227Z | E CAPACITOR | 220uF 16V M |
| C3218 | QETM2EM-336 | E CAPACITOR | 33uF 250V M |
| C3219 | QFZ0097-223 | MM CAPACITOR | 0.022uF 1.25KV M |
| C3221 | QETN2EM-106Z | E CAPACITOR | 10uF 250V M |
| C3222 | QETN2EM-106Z | E CAPACITOR | 10uF 250V M |
| C3223 | QEHR2EM-106Z | E CAPACITOR | 10uF 250V M |
| C3224 | QETN2EM-106Z | E CAPACITOR | 10uF 250V M |
| C3225 | NDC31HJ-151X | C CAPACITOR | 150pF 50V J |
| C3303 | NCB31CK-563X | C CAPACITOR | 0.056uF 16V K |
| R3103 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R3109 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J |
| R3112 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J |
| R3114 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J |
| R3115 | NRSA63J-560X | MG RESISTOR | 56Ω 1/16W J |
| R3116 | QRG01GJ-101 | OMF RESISTOR | 100Ω 1W J |
| R3117 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J |
| R3122 | NRSA63J-122X | MG RESISTOR | 1.2kΩ 1/16W J |
| R3123 | QRE121J-563Y | C RESISTOR | 56kΩ 1/2W J |
| R3124 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J |
| R3125 | QRE121J-563Y | C RESISTOR | 56kΩ 1/2W J |
| R3126 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J |
| R3127 | NRSA63J-122X | MG RESISTOR | 1.2kΩ 1/16W J |
| R3128 | NRSA63J-390X | MG RESISTOR | 39Ω 1/16W J |
| R3129 | QRE121J-2R7Y | C RESISTOR | 2.7Ω 1/2W J |
| R3130 | QRE121J-2R7Y | C RESISTOR | 2.7Ω 1/2W J |
| R3131 | NRSA63J-390X | MG RESISTOR | 39Ω 1/16W J |
| R3132 | NRSA63J-121X | MG RESISTOR | 120Ω 1/16W J |
| R3133 | QRL029J-681 | OMF RESISTOR | 680Ω 2W J |
| △R3134 | QRZ902J-561 | FUSI RESISTOR | 560Ω 1W J |
| R3201 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R3202 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R3203 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R3208 | NRSA63J-154X | MG RESISTOR | 150kΩ 1/16W J |
| R3209 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R3218 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J |
| R3219 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J |
| R3220 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J |
| R3222 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R3223 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J |
| R3224 | QRL029J-104-F | OMF RESISTOR | 100kΩ 2W J |
| R3225 | QRL029J-104-F | OMF RESISTOR | 100kΩ 2W J |
| R3226 | QRL029J-104-F | OMF RESISTOR | 100kΩ 2W J |
| R3227 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R3228 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R3229 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R3230 | QRZ0107-152Z | C RESISTOR | 1.5kΩ 1/2W K |
| R3231 | QRZ0107-152Z | C RESISTOR | 1.5kΩ 1/2W K |
| R3232 | QRZ0107-152Z | C RESISTOR | 1.5kΩ 1/2W K |
| R3234 | QRZ0107-474Z | C RESISTOR | 470kΩ 1/2W K |
| R3235 | QRZ0107-102Z | C RESISTOR | 1kΩ 1/2W K |
| R3236 | QRZ0107-105Z | C RESISTOR | 1MΩ 1/2W K |
| R3237 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R3239 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R3240 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| R3241 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| R3242 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| R3301 | QRE121J-474Y | C RESISTOR | 470kΩ 1/2W J |
| R3302 | QRE121J-474Y | C RESISTOR | 470kΩ 1/2W J |
| R3303 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R3304 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R3305 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| R3306 | NRSA63J-392X | MG RESISTOR | 3.9kΩ 1/16W J |
| R3308 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R3311 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R3312 | NRSA63J-120X | MG RESISTOR | 12Ω 1/16W J |
| R3313 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J |
| L3204 | QQL26AJ-102Z | PEAKING COIL | 1mH J |
| CN300G | QJK002-063231-E | SIN CR C-B WIRE | |
| CN300R | QJB003-093626-E | SIN ID C-B WIRE | |

| △Ref No. | Part No. | Part Name | Description Local |
|----------|---------------|----------------|-------------------|
| CN30E1 | QGG8005C3-01 | CONNECTOR | (1-1) |
| CN30SC | QGG0017C1-01Z | CONNECTOR | (1-1) |
| K3101 | QQR1114-001Z | FERRITE BEADS | |
| K3103 | QQR1114-001Z | FERRITE BEADS | |
| K3104 | QQR1114-001Z | FERRITE BEADS | |
| K3105 | QQR0621-002Z | FERRITE BEADS | |
| K3202 | QQR1113-001Z | FERRITE BEADS | |
| SG3201 | QAF0056-501Z | SURGE ABSORBER | 500V M |
| SG3202 | QAF0056-501Z | SURGE ABSORBER | 500V M |
| SG3203 | QAF0056-501Z | SURGE ABSORBER | 500V M |
| △SK3001 | QNZ0536-001 | CRT SOCKET | |

SIDE CONTROL P.W. BOARD ASS'Y (SML-8131A-U2)

REFER TO PARTS LIST IN PAGE 3-12 FOR THIS P.W. BOARD.

FRONT CONTROL P.W. BOARD ASS'Y (SML-8301A-U2)

REFER TO PARTS LIST IN PAGE 3-12 FOR THIS P.W. BOARD.

AV JACK P.W. BOARD ASS'Y (SML0J301A-U2)

REFER TO PARTS LIST IN PAGE 3-13 FOR THIS P.W. BOARD.

100HZ P.W. BOARD ASS'Y (SML0Z301A-U2)

REFER TO PARTS LIST IN PAGE 3-13 FOR THIS P.W. BOARD.

PRINTED WIRING BOARD PARTS LIST [AV-32H5SK]

MAIN P.W. BOARD ASS'Y (SML-1931A-U2)

| △Ref No. | Part No. | Part Name | Description Local | △Ref No. | Part No. | Part Name | Description Local |
|----------|-----------------|-----------------|-------------------|----------|--------------|----------------|-------------------|
| IC101 | MSP3415GQGB8V3M | IC | (SERVICE) | C105 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| IC201 | CXA2089Q-X | IC | | C106 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| IC501 | LM324D-X | IC | | C107 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| IC551 | LA6515 | IC | | C108 | QETN1HM-105Z | E CAPACITOR | 1uF 50V M |
| IC601 | AN5277 | IC | | C109 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| IC701 | ATE32-32H5SK | IC | | C110 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| IC901 | AN78L08-T | IC | | C111 | NCB21CK-105X | C CAPACITOR | 1uF 16V K |
| IC902 | MM1565AF-X | IC | | C112 | NCB21CK-105X | C CAPACITOR | 1uF 16V K |
| IC903 | L7809CP | IC | | C113 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| Q002 | 2SC3928A/QR/-X | TRANSISTOR | | C114 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| Q101 | UN2213-X | DIGI TRANSISTOR | | C115 | NDC31HJ-102X | C CAPACITOR | 1000pF 50V J |
| Q201 | 2SC3928A/QR/-X | TRANSISTOR | | C116 | NDC31HJ-102X | C CAPACITOR | 1000pF 50V J |
| Q202 | 2SC3928A/QR/-X | TRANSISTOR | | C117 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| Q207 | UN2226-X | DIGI TRANSISTOR | | C118 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| Q210 | 2SA1530A/QR/-X | TRANSISTOR | | C119 | NDC31HJ-2R0X | C CAPACITOR | 2pF 50V J |
| Q211 | UN2226-X | DIGI TRANSISTOR | | C120 | NDC31HJ-2R0X | C CAPACITOR | 2pF 50V J |
| Q212 | 2SA1530A/QR/-X | TRANSISTOR | | C121 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| Q213 | UN2226-X | DIGI TRANSISTOR | | C122 | NDC31HJ-102X | C CAPACITOR | 1000pF 50V J |
| Q214 | UN2226-X | DIGI TRANSISTOR | | C123 | NDC31HJ-102X | C CAPACITOR | 1000pF 50V J |
| Q215 | KTA1267/YG/-T | TRANSISTOR | | C124 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| Q216 | 2SC3928A/QR/-X | TRANSISTOR | | C201 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| Q217 | KTC3199/YG/-T | TRANSISTOR | | C202 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| Q219 | 2SC3928A/QR/-X | TRANSISTOR | | C203 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| Q305 | KTC3199/YG/-T | TRANSISTOR | | C204 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| Q501 | 2SC3928A/QR/-X | TRANSISTOR | | C205 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| Q502 | 2SC3928A/QR/-X | TRANSISTOR | | C206 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| Q604 | 2SA1530A/QR/-X | TRANSISTOR | | C207 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| Q605 | 2SC3928A/QR/-X | TRANSISTOR | | C209 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| Q606 | 2SC3928A/QR/-X | TRANSISTOR | | C210 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| Q609 | 2SA1530A/QR/-X | TRANSISTOR | | C213 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| Q610 | UN2226-X | DIGI TRANSISTOR | | C215 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| Q611 | UN2226-X | DIGI TRANSISTOR | | C216 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| Q701 | 2SA1530A/QR/-X | TRANSISTOR | | C220 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| Q702 | 2SC3928A/QR/-X | TRANSISTOR | | C221 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| | | | | C222 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| | | | | C223 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| | | | | C224 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| | | | | C225 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| D201 | UDZS12B-X | Z DIODE | | C226 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| D202 | UDZS12B-X | Z DIODE | | C227 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| D203 | UDZS12B-X | Z DIODE | | C228 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| D204 | UDZS12B-X | Z DIODE | | C229 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| D205 | UDZS12B-X | Z DIODE | | C230 | QENC1EM-106Z | BP E CAPACITOR | 10uF 25V M |
| D206 | UDZS12B-X | Z DIODE | | C231 | QENC1EM-106Z | BP E CAPACITOR | 10uF 25V M |
| D207 | UDZS12B-X | Z DIODE | | C232 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| D208 | UDZS12B-X | Z DIODE | | C233 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| D209 | UDZS12B-X | Z DIODE | | C234 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| D210 | UDZS12B-X | Z DIODE | | C235 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| D211 | UDZS12B-X | Z DIODE | | C236 | QETN1CM-477Z | E CAPACITOR | 470uF 16V M |
| D212 | UDZS12B-X | Z DIODE | | C237 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| D213 | UDZS15B-X | Z DIODE | | C238 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| D214 | UDZS15B-X | Z DIODE | | C239 | QETN1CM-477Z | E CAPACITOR | 470uF 16V M |
| D501 | 1SS355-X | SI DIODE | | C303 | QETN1CM-227Z | E CAPACITOR | 220uF 16V M |
| D502 | 1SS355-X | SI DIODE | | C304 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| D503 | 1SS355-X | SI DIODE | | C308 | NCB31CK-224X | C CAPACITOR | 0.22uF 16V K |
| D504 | 1SS355-X | SI DIODE | | C310 | NCB31CK-224X | C CAPACITOR | 0.22uF 16V K |
| D604 | 1SS355-X | SI DIODE | | C503 | NDC31HJ-102X | C CAPACITOR | 1000pF 50V J |
| D605 | 1SS355-X | SI DIODE | | C504 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| D606 | 1SS355-X | SI DIODE | | C505 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| D607 | 1SS355-X | SI DIODE | | C506 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| D701 | UDZS5.6B-X | Z DIODE | 1.5kΩ 1/10W J | C507 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| D702 | UDZS5.6B-X | Z DIODE | 1.5kΩ 1/10W J | C508 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| D703 | UDZS5.6B-X | Z DIODE | 1.5kΩ 1/10W J | C509 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| D704 | UDZS5.6B-X | Z DIODE | 1.5kΩ 1/10W J | C510 | NCB31EK-333X | C CAPACITOR | 0.033uF 25V K |
| D705 | 1SS355-X | SI DIODE | | C515 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| D981 | 1SS355-X | SI DIODE | | C551 | NCF31CZ-224X | C CAPACITOR | 0.22uF 16V Z |
| D982 | 1SS355-X | SI DIODE | | C552 | NCF31CZ-224X | C CAPACITOR | 0.22uF 16V Z |
| D983 | 1SS355-X | SI DIODE | | C553 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| | | | | C554 | NCF31CZ-224X | C CAPACITOR | 0.22uF 16V Z |
| | | | | C555 | NCF31CZ-224X | C CAPACITOR | 0.22uF 16V Z |
| C001 | NCB31HK-222X | C CAPACITOR | 2200pF 50V K | C561 | NDC31HJ-390X | C CAPACITOR | 39pF 50V J |
| C002 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | C612 | NCB31HK-272X | C CAPACITOR | 2700pF 50V K |
| C004 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | C613 | NCB31HK-272X | C CAPACITOR | 2700pF 50V K |
| C005 | QETN1CM-108Z | E CAPACITOR | 1000uF 16V M | C614 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C006 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | C615 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C007 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | C619 | QETM1VM-228 | E CAPACITOR | 2200uF 35V M |
| C008 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | C622 | QETN1EM-108Z | E CAPACITOR | 1000uF 25V M |
| C009 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | C623 | QETN1EM-108Z | E CAPACITOR | 1000uF 25V M |
| C011 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | C624 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K |
| C012 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | C626 | QETN1EM-108Z | E CAPACITOR | 1000uF 25V M |
| C013 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | C627 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C101 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | C629 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C102 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | C630 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C103 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | C631 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K |
| C104 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M | | | | |

| △Ref No. | Part No. | Part Name | Description Local | △Ref No. | Part No. | Part Name | Description Local |
|----------|--------------|-------------|-------------------|----------|--------------|----------------|-------------------|
| C632 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | R277 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| C633 | QETN1HM-107Z | E CAPACITOR | 100uF 50V M | R278 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| C636 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | R279 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| C637 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | R280 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| C701 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | R281 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| C702 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | R282 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| C711 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | R283 | QRG01GJ-101 | OMF RESISTOR | 100Ω 1/16W J |
| C901 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M | R284 | QRK126J-181X | UNF C RESISTOR | 180Ω 1/2W J |
| C902 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K | R285 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| C903 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M | R286 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| C904 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z | R287 | QRK126J-151X | UNF C RESISTOR | 150Ω 1/2W J |
| C905 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | R288 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| C906 | NCB20JK-225X | C CAPACITOR | 2.2uF 6.3V K | R289 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| C907 | NDC31HJ-471X | C CAPACITOR | 470pF 50V J | R290 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| C908 | QETN1AM-477Z | E CAPACITOR | 470uF 10V M | R291 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| C909 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | R292 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J |
| C910 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M | R293 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| | | | | R294 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R002 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R295 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R003 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R296 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R006 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | R297 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R007 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | R298 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R008 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | R313 | QRK126J-331X | UNF C RESISTOR | 330Ω 1/2W J |
| R011 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | R315 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R101 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R316 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J |
| R102 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R317 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R103 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | R501 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R201 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | R502 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R202 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | R503 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R205 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | R504 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R206 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | R505 | NRSA63J-124X | MG RESISTOR | 120kΩ 1/16W J |
| R208 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | R506 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R209 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | R507 | NRSA63J-273X | MG RESISTOR | 27kΩ 1/16W J |
| R210 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | R509 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R211 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | R510 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J |
| R212 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R511 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J |
| R213 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R512 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J |
| R214 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R513 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R215 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | R514 | NRSA63J-392X | MG RESISTOR | 3.9kΩ 1/16W J |
| R216 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | R515 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R217 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | R516 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R218 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | R517 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R220 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J | R518 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R221 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J | R519 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R222 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J | R520 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R226 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J | R521 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R227 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J | R523 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J |
| R229 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J | R524 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J |
| R232 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J | R525 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R233 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J | R526 | NRSA63J-683X | MG RESISTOR | 68kΩ 1/16W J |
| R234 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | R527 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J |
| R235 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | R528 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R236 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | R529 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J |
| R237 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | R530 | NRSA63J-105X | MG RESISTOR | 1MΩ 1/16W J |
| R238 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R531 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R239 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R532 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R240 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R533 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J |
| R241 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R536 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J |
| R242 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R537 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R243 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R551 | NRSA63J-124X | MG RESISTOR | 120kΩ 1/16W J |
| R244 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R552 | NRSA63J-100X | MG RESISTOR | 10Ω 1/16W J |
| R245 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R553 | NRSA63J-683X | MG RESISTOR | 68kΩ 1/16W J |
| R246 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R554 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| R247 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R555 | NRSA63J-154X | MG RESISTOR | 150kΩ 1/16W J |
| R249 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R556 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J |
| R251 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J | R557 | NRSA63J-100X | MG RESISTOR | 10Ω 1/16W J |
| R253 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J | R558 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| R255 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J | R559 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R258 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J | R560 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R259 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J | R615 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R260 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | R616 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R261 | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J | R617 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J |
| R262 | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J | R620 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J |
| R263 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | R621 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R264 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R622 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R265 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R625 | NRSA63J-183X | MG RESISTOR | 18kΩ 1/16W J |
| R266 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R629 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R267 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R630 | NRSA63J-273X | MG RESISTOR | 27kΩ 1/16W J |
| R268 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R631 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R269 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R632 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J |
| R270 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | R635 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J |
| R271 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | R637 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R272 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | R638 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R273 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | R639 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R274 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | R640 | NRSA63J-681X | MG RESISTOR | 680Ω 1/16W J |
| R275 | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J | R641 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J |
| R276 | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J | R642 | NRSA63J-681X | MG RESISTOR | 680Ω 1/16W J |

| △Ref No. | Part No. | Part Name | Description Local |
|----------|-----------------|-----------------|-------------------|
| R643 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R644 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R645 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R702 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R703 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R704 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R705 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R706 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R707 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R708 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R709 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R710 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J |
| L001 | QQL244K-270Z | PEAKING COIL | 27uH K |
| L002 | QQL244K-100Z | PEAKING COIL | 10uH K |
| L003 | QQL244K-100Z | PEAKING COIL | 10uH K |
| L101 | QQL244K-4R7Z | PEAKING COIL | 4.7uH K |
| CN001 | QGB1505J1-35 | CONNECTOR | B-B (1-35) |
| CN002 | QGC2507C1-96 | CONNECTOR | (1-96) |
| CN003 | QGB1506L1-16 | CONNECTOR | B-B (1-16) |
| CN004 | QGB1506L1-16 | CONNECTOR | B-B (1-16) |
| CN00B | QJK002-041614-E | SIN CR C-B WIRE | |
| J601 | QNN0596-001 | PIN JACK | AUDIO OUT |
| K001 | NQR0129-004X | FERRITE BEADS | |
| K101 | NQR0389-003X | FERRITE BEADS | |
| K102 | NQR0389-003X | FERRITE BEADS | |
| K551 | QQR0621-002Z | FERRITE BEADS | |
| K552 | QQR0621-002Z | FERRITE BEADS | |
| K601 | NQR0199-001X | FERRITE BEADS | |
| K602 | NQR0199-001X | FERRITE BEADS | |
| LC101 | NQR0431-001X | EMI FILTER | 0.22uF 50V Z |
| △TU001 | QAU0277-001 | TUNER | |
| X101 | QAX0773-001Z | CRYSTAL | 18.432000MHz |

POWER & DEF P.W. BOARD ASS'Y (SML-2301A-S2)

REFER TO PARTS LIST IN PAGE 3-24 FOR THIS P.W. BOARD.

CRT SOCKET P.W. BOARD ASS'Y (SML-3301A-U2)

REFER TO PARTS LIST IN PAGE 3-25 FOR THIS P.W. BOARD.

SIDE CONTROL P.W. BOARD ASS'Y (SML-8131A-U2)

REFER TO PARTS LIST IN PAGE 3-12 FOR THIS P.W. BOARD.

FRONT CONTROL P.W. BOARD ASS'Y (SML-8301A-U2)

REFER TO PARTS LIST IN PAGE 3-12 FOR THIS P.W. BOARD.

AV JACK P.W. BOARD ASS'Y (SML0J301A-U2)

REFER TO PARTS LIST IN PAGE 3-13 FOR THIS P.W. BOARD.

100HZ P.W. BOARD ASS'Y (SML0Z301A-U2)

REFER TO PARTS LIST IN PAGE 3-13 FOR THIS P.W. BOARD.

PRINTED WIRING BOARD PARTS LIST [AV-32H5SR]

MAIN P.W. BOARD ASS'Y (SML-1301A-U2)

REFER TO PARTS LIST IN PAGE 3-22 FOR THIS P.W. BOARD.

POWER & DEF P.W. BOARD ASS'Y (SML-2301A-U2)

| △Ref No. | Part No. | Part Name | Description Local |
|----------|-----------------|-----------------|-------------------|
| IC401 | LA78041 | IC | |
| IC461 | LM393P | IC | |
| IC901 | STR-G9656-F3 | IC | |
| △IC941 | QAL0515-001 | POWER TRANSF | |
| IC951 | SE140N | IC | |
| IC961 | PQ120RDA1SZ | IC | |
| Q461 | RDN050N20 | POWER MOS FET | |
| Q462 | KTC3199/YG/-T | TRANSISTOR | |
| Q463 | KTC3199/YG/-T | TRANSISTOR | |
| Q464 | KTA1267/YG/-T | TRANSISTOR | |
| Q481 | DTC124ESA-T | DIGI TRANSISTOR | |
| Q482 | KTC3199/YG/-T | TRANSISTOR | |
| Q501 | BSN304-T | MOS FET | |
| △Q521 | 2SC5905-RL | POW TRANSISTOR | H. OUT |
| Q581 | 2SA1208/ST/Z1-T | TRANSISTOR | |
| Q582 | DTC144ESA-T | DIGI TRANSISTOR | |
| Q583 | KTC3199/YG/-T | TRANSISTOR | |
| Q941 | KTC3199/YG/-T | TRANSISTOR | |
| Q942 | KTC3199/YG/-T | TRANSISTOR | |
| D402 | 1SR35-400A-T2 | SI DIODE | |
| D461 | FR105GT-T3 | SI DIODE | |
| D462 | 1SS133-T2 | SI DIODE | |
| D463 | 1SS133-T2 | SI DIODE | |
| D481 | 1SS133-T2 | SI DIODE | |
| D501 | 1SS244-T2 | SI DIODE | |
| D521 | V11CA-C1 | SI DIODE | |
| D522 | FMV-3FU-F1 | SI DIODE | |
| D523 | MTZJ22B-T2 | Z DIODE | |
| D525 | FR105GT-T3 | SI DIODE | |
| D541 | FR105GT-T3 | SI DIODE | |
| D542 | MTZJ3.9B-T2 | Z DIODE | |
| D551 | FR105GT-T3 | SI DIODE | |
| D552 | FR105GT-T3 | SI DIODE | |
| D553 | FR105GT-T3 | SI DIODE | |
| D582 | MTZJ7.5B-T2 | Z DIODE | |
| D583 | MTZJ7.5S-T2 | Z DIODE | |
| D584 | FR105GT-T3 | SI DIODE | |
| D901 | D3SBA60 | DIODE | |
| D902 | FR107GT-T3 | SI DIODE | |
| D904 | FR105GT-T3 | SI DIODE | |
| D905 | 1SS133-T2 | SI DIODE | |
| D906 | MTZJ27B-T2 | Z DIODE | |
| D907 | 1SS133-T2 | SI DIODE | |
| D910 | MTZJ15B-T2 | Z DIODE | |
| D911 | 1SS133-T2 | SI DIODE | |
| D931 | S1WB/A60-4101 | BRIDGE DIODE | |
| D945 | 1SS133-T2 | SI DIODE | |
| D951 | RU4AM-LFT2 | SI DIODE | |
| D952 | RU4AM-LFT2 | SI DIODE | |
| D953 | FR105GT-T3 | SI DIODE | |
| D954 | HER202G-FL | SI DIODE | |
| D956 | FSF05A20 | SI DIODE | |
| D958 | MTZJ33B-T2 | Z DIODE | |
| D959 | 1SS133-T2 | SI DIODE | |
| D981 | 1SS133-T2 | SI DIODE | |
| D983 | 1SS133-T2 | SI DIODE | |
| C404 | QFVF1HJ-104Z | MF CAPACITOR | 0.1uF 50V J |
| C405 | QDC31HJ-820Z | C CAPACITOR | 82pF 50V J |
| C406 | QETM1VM-108 | E CAPACITOR | 1000uF 35V M |
| C408 | QETN1VM-337Z | E CAPACITOR | 330uF 35V M |
| C409 | QFVF1HJ-474Z | MF CAPACITOR | 0.47uF 50V J |
| C410 | QFVF1HJ-474Z | MF CAPACITOR | 0.47uF 50V J |
| C411 | QFLC2AJ-104Z | M CAPACITOR | 0.1uF 100V J |
| C414 | QCB31HK-682Z | C CAPACITOR | 6800pF 50V K |
| C415 | QDC31HJ-470Z | C CAPACITOR | 47pF 50V J |
| C461 | QEZ0414-226 | BP E CAPACITOR | 22uF 50V M |
| C462 | QFN32DJ-152Z | M CAPACITOR | 1500pF 200V J |
| C463 | QFN32DJ-152Z | M CAPACITOR | 1500pF 200V J |
| C464 | QFVF1HJ-104Z | MF CAPACITOR | 0.1uF 50V J |
| C465 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C466 | QFP31HJ-272Z | PP CAPACITOR | 2700pF 50V J |
| C467 | QFLC1HJ-102Z | M CAPACITOR | 1000pF 50V J |
| C468 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |

| △Ref No. | Part No. | Part Name | Description Local |
|----------|---------------|---------------|-------------------|
| C470 | QCS31HJ-470Z | C CAPACITOR | 47pF 50V J |
| C471 | QFLC1HJ-103Z | M CAPACITOR | 0.01uF 50V J |
| C481 | QETN1HM-105Z | E CAPACITOR | 1uF 50V M |
| C501 | QCB32HK-331Z | C CAPACITOR | 330pF 500V K |
| C502 | QFN32DK-103 | M CAPACITOR | 0.01uF 200V K |
| C503 | QFVF1HJ-224Z | MF CAPACITOR | 0.22uF 50V J |
| C521 | QFZ0122-112 | MPP CAPACITOR | 1100pF 1.8kV H |
| C522 | QFZ0196-113 | MPP CAPACITOR | 0.011uF 1.5kV H |
| C523 | QFN32DJ-393 | M CAPACITOR | 0.039uF 200V J |
| C524 | QFP32GJ-223 | PP CAPACITOR | 0.022uF 400V J |
| C526 | QFZ0197-204 | MPP CAPACITOR | 0.2uF 250V J |
| C527 | QFZ0197-823 | MPP CAPACITOR | 0.082uF 250V J |
| C529 | QFZ0197-184 | MPP CAPACITOR | 0.18uF 250V J |
| C530 | QCB32HK-561Z | C CAPACITOR | 560pF 500V K |
| C531 | QFZ0194-534 | MPP CAPACITOR | 0.53uF 250V J |
| C532 | QETM2CM-227 | E CAPACITOR | 220uF 160V M |
| C533 | QETN2EM-475Z | E CAPACITOR | 4.7uF 250V M |
| C541 | QFVF1HJ-105Z | MF CAPACITOR | 1uF 50V J |
| C551 | QCB32HK-152Z | C CAPACITOR | 1500pF 500V K |
| C552 | QETN1CM-108Z | E CAPACITOR | 1000uF 16V M |
| C553 | QCB32HK-152Z | C CAPACITOR | 1500pF 500V K |
| C554 | QETN1CM-108Z | E CAPACITOR | 1000uF 16V M |
| C555 | QCB32HK-102Z | C CAPACITOR | 1000pF 500V K |
| C556 | QETN2EM-106Z | E CAPACITOR | 10uF 250V M |
| C558 | QETN1CM-477Z | E CAPACITOR | 470uF 16V M |
| C581 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C582 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C583 | QETN2AM-106Z | E CAPACITOR | 10uF 100V M |
| C584 | QETN1AM-227Z | E CAPACITOR | 220uF 10V M |
| △C901 | QFZ9072-473 | MM CAPACITOR | 0.047uF AC250V K |
| △C902 | QFZ9072-104 | MM CAPACITOR | 0.1uF AC250V K |
| △C903 | QFZ9072-473 | MM CAPACITOR | 0.047uF AC250V K |
| △C904 | QCZ9054-472 | C CAPACITOR | 4700pF AC250V Z |
| △C905 | QCZ9054-472 | C CAPACITOR | 4700pF AC250V Z |
| △C906 | QCZ9054-472 | C CAPACITOR | 4700pF AC250V Z |
| C907 | QEZ0649-227 | E CAPACITOR | 220uF 400V M |
| C908 | QCB32HK-103 | C CAPACITOR | 0.01uF 500V K |
| C909 | QCZ0340-391 | C CAPACITOR | 390pF 2kV K |
| C910 | QETN1HM-476Z | E CAPACITOR | 47uF 50V M |
| C911 | QCB31HK-102Z | C CAPACITOR | 1000pF 50V K |
| C912 | QCZ0340-561 | C CAPACITOR | 560pF 2kV K |
| C914 | QCB31HK-471Z | C CAPACITOR | 470pF 50V K |
| C915 | QFLC1HJ-104Z | M CAPACITOR | 0.1uF 50V J |
| C916 | QCB32HK-152Z | C CAPACITOR | 1500pF 500V K |
| △C931 | QCZ9054-472 | C CAPACITOR | 4700pF AC250V Z |
| △C932 | QCZ9054-472 | C CAPACITOR | 4700pF AC250V Z |
| △C933 | QCZ9054-472 | C CAPACITOR | 4700pF AC250V Z |
| C934 | QEZ0632-226 | E CAPACITOR | 22uF 400V M |
| C941 | QTMN1CM-477Z | E CAPACITOR | 470uF 16V M |
| C942 | QETN1AM-337Z | E CAPACITOR | 330uF 10V M |
| C951 | QEZ0203-227 | E CAPACITOR | 220uF 160V M |
| C952 | QEZ0255-228 | E CAPACITOR | 2200uF 16V M |
| C953 | QETN1CM-108Z | E CAPACITOR | 1000uF 16V M |
| C954 | QETM1VM-228 | E CAPACITOR | 2200uF 35V M |
| C956 | QETM1AM-338 | E CAPACITOR | 3300uF 10V M |
| C959 | QFVF1HJ-684Z | MF CAPACITOR | 0.68uF 50V J |
| C960 | QCZ0325-821 | C CAPACITOR | 820pF 2kV K |
| C968 | QETM1AM-338 | E CAPACITOR | 3300uF 10V M |
| C991 | QCZ9079-102 | C CAPACITOR | 1000pF AC250V M |
| C993 | QCZ9079-222 | C CAPACITOR | 2200pF AC250V M |
| R401 | QRE141J-562Y | C RESISTOR | 5.6kΩ 1/4W J |
| R402 | QRE141J-562Y | C RESISTOR | 5.6kΩ 1/4W J |
| R403 | QRE141J-222Y | C RESISTOR | 2.2kΩ 1/4W J |
| R404 | QRX01GJ-1R0 | MF RESISTOR | 1Ω 1W J |
| R405 | QRL029J-151 | OMF RESISTOR | 150Ω 2W J |
| R406 | QRE141J-222Y | C RESISTOR | 2.2kΩ 1/4W J |
| R407 | QRX01GJ-1R5 | MF RESISTOR | 1.5Ω 1W J |
| R408 | QRX01GJ-1R5 | MF RESISTOR | 1.5Ω 1W J |
| R409 | QRE141J-823Y | C RESISTOR | 82kΩ 1/4W J |
| R410 | QRE141J-103Y | C RESISTOR | 10kΩ 1/4W J |
| R461 | QRG029J-820 | OMF RESISTOR | 82Ω 2W J |
| R462 | QRE141J-473Y | C RESISTOR | 47kΩ 1/4W J |
| R463 | QRE141J-682Y | C RESISTOR | 6.8kΩ 1/4W J |
| R464 | QRX01GJ-3R3 | MF RESISTOR | 3.3Ω 1W J |
| R468 | QRE141J-102Y | C RESISTOR | 1kΩ 1/4W J |
| R469 | QRE141J-272Y | C RESISTOR | 2.7kΩ 1/4W J |
| R471 | QRE141J-391Y | C RESISTOR | 390Ω 1/4W J |
| R472 | QRA14CF-1002Y | CMF RESISTOR | 10kΩ 1/4W F |
| R473 | QRE141J-473Y | C RESISTOR | 47kΩ 1/4W J |
| R474 | QRE141J-103Y | C RESISTOR | 10kΩ 1/4W J |
| R475 | QRE141J-102Y | C RESISTOR | 1kΩ 1/4W J |
| R476 | QRE141J-102Y | C RESISTOR | 1kΩ 1/4W J |
| R477 | QRE141J-563Y | C RESISTOR | 56kΩ 1/4W J |

| △Ref No. | Part No. | Part Name | Description Local |
|----------|---------------|-----------------|-------------------|
| R478 | QRE141J-333Y | C RESISTOR | 33kΩ 1/4W J |
| R481 | QRE141J-224Y | C RESISTOR | 220kΩ 1/4W J |
| R482 | QRE141J-103Y | C RESISTOR | 10kΩ 1/4W J |
| R501 | QRE141J-471Y | C RESISTOR | 470Ω 1/4W J |
| R502 | QRE141J-123Y | C RESISTOR | 12kΩ 1/4W J |
| R503 | QRE121J-152Y | C RESISTOR | 1.5kΩ 1/2W J |
| R504 | QRL039J-222 | OMF RESISTOR | 2.2kΩ 3W J |
| R505 | QRL039J-222 | OMF RESISTOR | 2.2kΩ 3W J |
| R506 | QRE121J-5R6Y | C RESISTOR | 5.6Ω 1/2W J |
| R521 | QRE121J-471Y | C RESISTOR | 470Ω 1/2W J |
| R522 | QRE141J-333Y | C RESISTOR | 33kΩ 1/4W J |
| R523 | QRE141J-103Y | C RESISTOR | 10kΩ 1/4W J |
| R524 | QRC121K-152Z | COMP RESISTOR | 1.5kΩ 1/2W K |
| R525 | QRL039J-103 | OMF RESISTOR | 10kΩ 3W J |
| R541 | QRE141J-222Y | C RESISTOR | 2.2kΩ 1/4W J |
| R542 | QRE141J-222Y | C RESISTOR | 2.2kΩ 1/4W J |
| R543 | QRE121J-272Y | C RESISTOR | 2.7kΩ 1/2W J |
| R551 | QRT039J-3R3 | MF RESISTOR | 3.3Ω 3W J |
| R552 | QRT039J-3R3 | MF RESISTOR | 3.3Ω 3W J |
| R581 | QRF154K-4R7 | UNF WW RESISTOR | 4.7Ω 15W K |
| R582 | QRE141J-681Y | C RESISTOR | 680Ω 1/4W J |
| R583 | QRE121J-682Y | C RESISTOR | 6.8kΩ 1/2W J |
| R584 | QRE141J-183Y | C RESISTOR | 18kΩ 1/4W J |
| R585 | QRE141J-222Y | C RESISTOR | 2.2kΩ 1/4W J |
| R586 | QRA14CF-7501Y | CMF RESISTOR | 7.5kΩ 1/4W F |
| R587 | QRA14CF-2201Y | CMF RESISTOR | 2.2kΩ 1/4W F |
| R588 | QRE141J-103Y | C RESISTOR | 10kΩ 1/4W J |
| △R591 | QRZ9017-4R7 | FUSI RESISTOR | 4.7Ω 1/4W J |
| R901 | QRE121J-331Y | C RESISTOR | 330Ω 1/2W J |
| R902 | QRF054K-3R3 | UNF WW RESISTOR | 3.3Ω 5W K |
| R903 | QRF104K-3R9 | UNF WW RESISTOR | 3.9Ω 10W K |
| R904 | QRL039J-683 | OMF RESISTOR | 68kΩ 3W J |
| R905 | QRE121J-474Y | C RESISTOR | 470kΩ 1/2W J |
| R906 | QRE121J-474Y | C RESISTOR | 470kΩ 1/2W J |
| R908 | QRL039J-823 | OMF RESISTOR | 82kΩ 3W J |
| R909 | QRL039J-823 | OMF RESISTOR | 82kΩ 3W J |
| R910 | QRE121J-680Y | C RESISTOR | 68Ω 1/2W J |
| R911 | QRE121J-332Y | C RESISTOR | 3.3kΩ 1/2W J |
| R914 | QRZ0237-R10 | UNF WW RESISTOR | 0.1Ω |
| R915 | QRE121J-681Y | C RESISTOR | 680Ω 1/2W J |
| R916 | QRE121J-152Y | C RESISTOR | 1.5kΩ 1/2W J |
| R944 | QRE141J-103Y | C RESISTOR | 10kΩ 1/4W J |
| R945 | QRE141J-563Y | C RESISTOR | 56kΩ 1/4W J |
| R946 | QRE141J-103Y | C RESISTOR | 10kΩ 1/4W J |
| R949 | QRE141J-334Y | C RESISTOR | 330kΩ 1/4W J |
| R951 | QRE121J-222Y | C RESISTOR | 2.2kΩ 1/2W J |
| R952 | QRL039J-223 | OMF RESISTOR | 22kΩ 3W J |
| R953 | QRT039J-R33 | MF RESISTOR | 0.33Ω 3W J |
| R981 | QRE141J-153Y | C RESISTOR | 15kΩ 1/4W J |
| R982 | QRE141J-102Y | C RESISTOR | 1kΩ 1/4W J |
| △R991 | QRZ9046-825Z | C RESISTOR | 8.2MΩ 1/2W K |
| R992 | QRZ9046-105Z | C RESISTOR | 1MΩ 1/2W K |
| L461 | QQR1195-001 | CHOKE COIL | |
| L462 | QQR1422-001 | CHOKE COIL | |
| L521 | QQLZ031-180 | CHOKE COIL | 18uH |
| L522 | QQR1191-002 | LINEARITY COIL | |
| L551 | QQLZ026-540 | COIL | 54uH A)7% |
| L901 | QQL401K-100Z | CHOKE COIL | 10uH K |
| L902 | QQL401K-100Z | CHOKE COIL | 10uH K |
| △L903 | QQR1200-001 | CHOKE COIL | |
| L941 | QQL26AM-4R7Z | CHOKE COIL | 4.7uH M |
| L942 | QQL26AK-220Z | CHOKE COIL | 22uH K |
| L951 | QQLZ026-460 | COIL | 46uH A)7% |
| T501 | QQR1111-001 | LINEARITY COIL | |
| △T901 | QQS0258-001 | SW TRANSF | |
| CN003 | QGB1506M1-16 | CONNECTOR | B-B (1-16) |
| CN004 | QGB1506M1-16 | CONNECTOR | B-B (1-16) |
| CN0HV | QGZ8005C3-05 | CONNECTOR | (1-5) |
| △CP931 | QMFZ052-2R0-E | FUSE | 2A AC250V |
| △CP951 | ICP-N75-T | IC PROTECTOR | 2.7A |
| △CP952 | ICP-N75-T | IC PROTECTOR | 2.7A |
| △CP954 | ICP-N75-T | IC PROTECTOR | 2.7A |
| K401 | QQR0621-002Z | FERRITE BEADS | |
| K522 | QQR1114-001Z | FERRITE BEADS | |
| K523 | QQR1114-001Z | FERRITE BEADS | |
| K524 | QQR1114-001Z | FERRITE BEADS | |
| K901 | QQR1113-001Z | FERRITE BEADS | |
| K952 | QQR0621-002Z | FERRITE BEADS | |
| K953 | QQR0621-002Z | FERRITE BEADS | |
| K955 | QQR0621-002Z | FERRITE BEADS | |
| △LF901 | QQR1095-001 | LINE FILTER | |
| △PC901 | PC123Y22FZ | PHOTO COUPLER | |
| △RY941 | QSK0099-001 | RELAY | |
| △TH901 | QAD0121-9R0 | P THERMISTOR | 9Ω |

CRT SOCKET P.W. BOARD ASS'Y (SML-3301A-U2)

REFER TO PARTS LIST IN PAGE 3-25 FOR THIS P.W. BOARD.

SIDE CONTROL P.W. BOARD ASS'Y (SML-8131A-U2)

REFER TO PARTS LIST IN PAGE 3-12 FOR THIS P.W. BOARD.

FRONT CONTROL P.W. BOARD ASS'Y (SML-8301A-U2)

REFER TO PARTS LIST IN PAGE 3-12 FOR THIS P.W. BOARD.

AV JACK P.W. BOARD ASS'Y (SML0J301A-U2)

REFER TO PARTS LIST IN PAGE 3-13 FOR THIS P.W. BOARD.

100HZ P.W. BOARD ASS'Y (SML0Z301A-U2)

REFER TO PARTS LIST IN PAGE 3-13 FOR THIS P.W. BOARD.

PRINTED WIRING BOARD PARTS LIST [AV-32H50SU]

| | |
|---|---|
| MAIN P.W. BOARD ASS'Y (SML-1301A-U2) | REFER TO PARTS LIST IN PAGE 3-21 FOR THIS P.W. BOARD. |
| REFER TO PARTS LIST IN PAGE 3-22 FOR THIS P.W. BOARD. | |
| POWER & DEF P.W. BOARD ASS'Y (SML-2301A-S2) | FRONT CONTROL P.W. BOARD ASS'Y (SML-8302A-U2) |
| REFER TO PARTS LIST IN PAGE 3-24 FOR THIS P.W. BOARD. | REFER TO PARTS LIST IN PAGE 3-21 FOR THIS P.W. BOARD. |
| CRT SOCKET P.W. BOARD ASS'Y (SML-3301A-U2) | AV JACK P.W. BOARD ASS'Y (SML0J301A-U2) |
| REFER TO PARTS LIST IN PAGE 3-25 FOR THIS P.W. BOARD. | REFER TO PARTS LIST IN PAGE 3-13 FOR THIS P.W. BOARD. |
| SIDE CONTROL P.W. BOARD ASS'Y (SML-8133A-U2) | 100HZ P.W. BOARD ASS'Y (SML0Z301A-U2) |
| | REFER TO PARTS LIST IN PAGE 3-13 FOR THIS P.W. BOARD. |

PRINTED WIRING BOARD PARTS LIST [AV-32H57SU]

| | |
|---|---|
| MAIN P.W. BOARD ASS'Y (SML-1301A-U2) | REFER TO PARTS LIST IN PAGE 3-21 FOR THIS P.W. BOARD. |
| REFER TO PARTS LIST IN PAGE 3-22 FOR THIS P.W. BOARD. | |
| POWER & DEF P.W. BOARD ASS'Y (SML-2301A-U2) | FRONT CONTROL P.W. BOARD ASS'Y (SML-8302A-U2) |
| REFER TO PARTS LIST IN PAGE 3-29 FOR THIS P.W. BOARD. | REFER TO PARTS LIST IN PAGE 3-21 FOR THIS P.W. BOARD. |
| CRT SOCKET P.W. BOARD ASS'Y (SML-3301A-U2) | AV JACK P.W. BOARD ASS'Y (SML0J301A-U2) |
| REFER TO PARTS LIST IN PAGE 3-25 FOR THIS P.W. BOARD. | REFER TO PARTS LIST IN PAGE 3-13 FOR THIS P.W. BOARD. |
| SIDE CONTROL P.W. BOARD ASS'Y (SML-8133A-U2) | 100HZ P.W. BOARD ASS'Y (SML0Z301A-U2) |
| | REFER TO PARTS LIST IN PAGE 3-13 FOR THIS P.W. BOARD. |

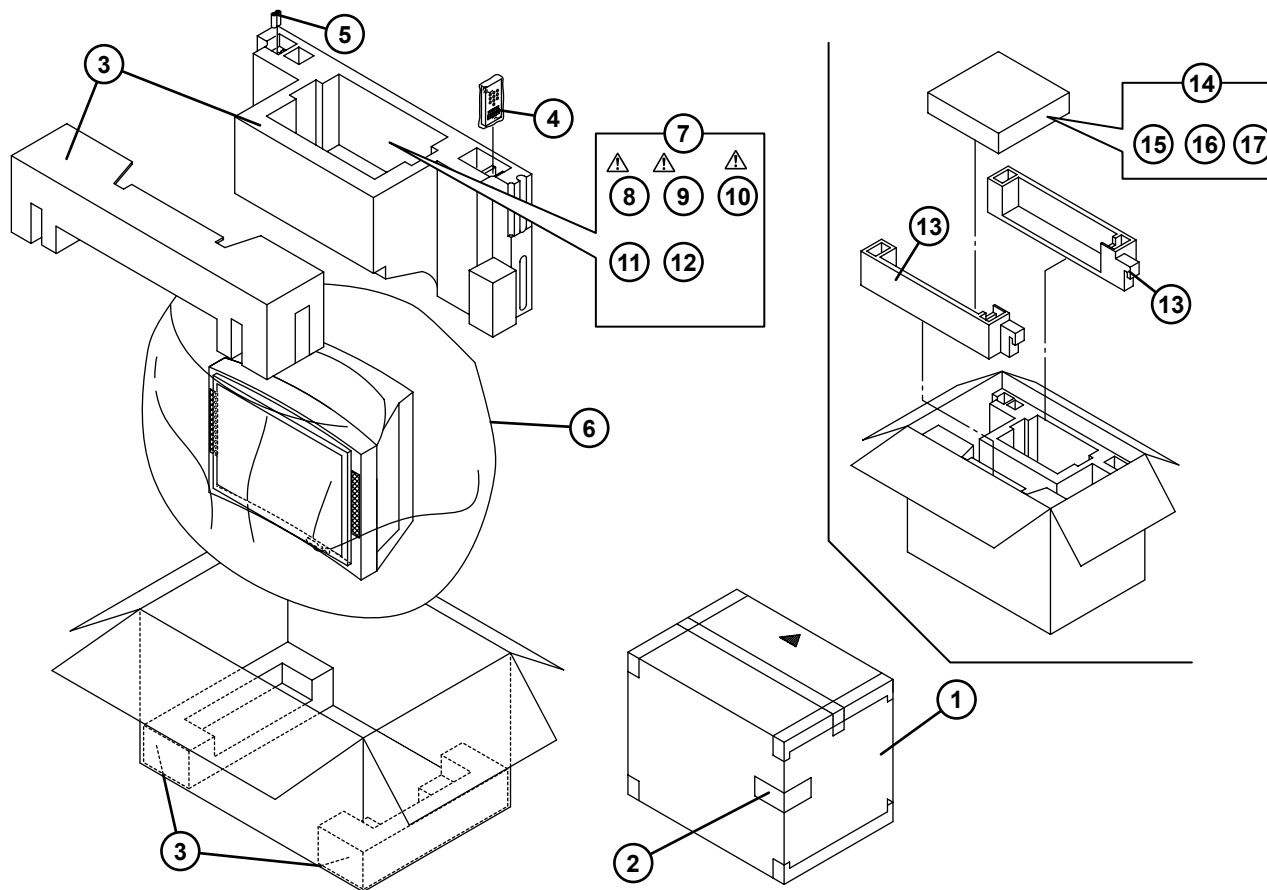
REMOTE CONTROL UNIT PARTS LIST [RM-C1502-1C]

| △ Ref No. | Part No. | Part Name | Description | Local |
|-----------|-----------|---------------|--|-------|
| | 2AK061080 | BATTERY COVER | AV-28H5SK,AV-28H5SL, AV28H5SR, AV-28H5SU,AV-28H50SU,AV-32H5SK,AV-32H5SR,AV-32H5SU, AV-32H50SU,AV-32H57SU | |

REMOTE CONTROL UNIT PARTS LIST [RM-C1502B-1C]

| △ Ref No. | Part No. | Part Name | Description | Local |
|-----------|-----------|---------------|-------------------------------|-------|
| | 2AK044990 | BATTERY COVER | AV-28H5BL,AV-28H5BU,AV-32H5BU | |

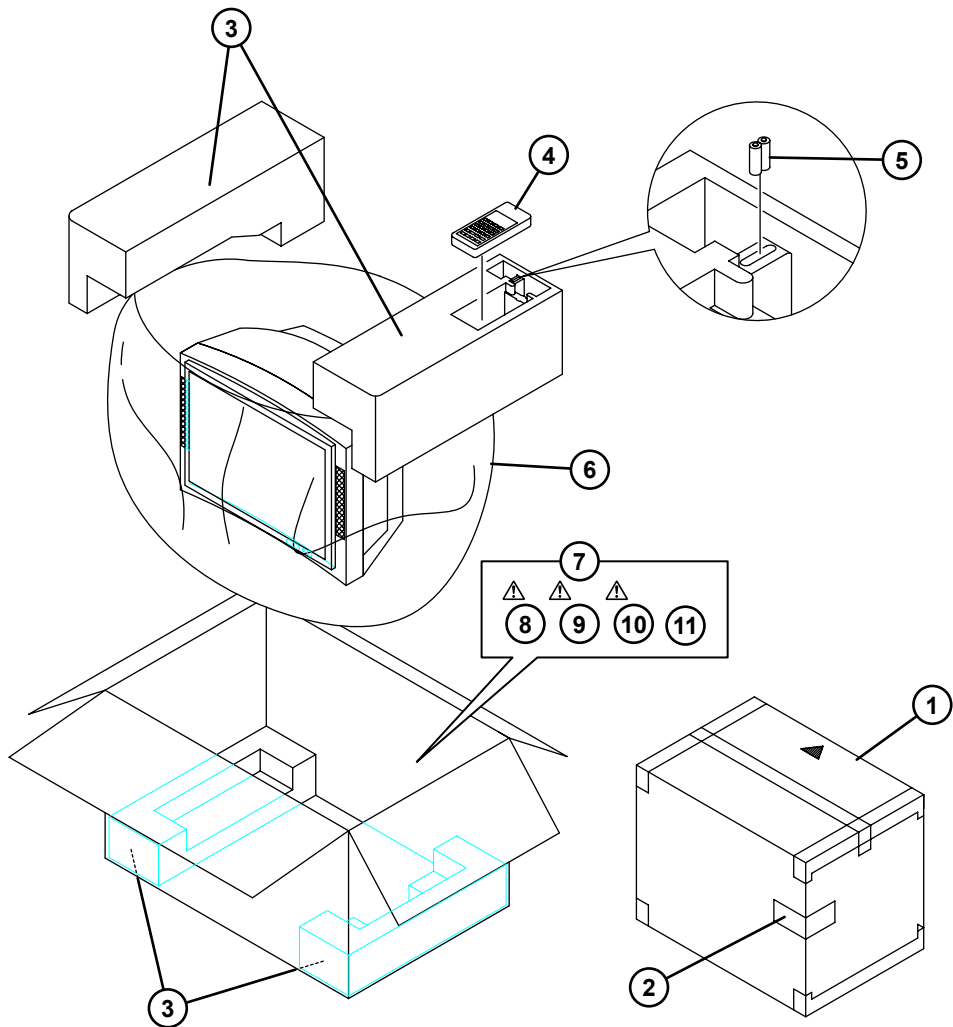
PACKING -1



PACKING PARTS LIST -1

| △ | Ref.No. | Part No. | Part Name | Description | Local |
|---|---------|----------------|-----------------------|--|--|
| | 1 | GA10002-001A-U | PACKING CASE | | AV-28H5SK |
| | 1 | GA10002-003A-U | PACKING CASE | | AV-28H5BL, AV-28H5BU, AV-28H5SL, AV-28H5SR, AV-28H5SU |
| | 1 | GA10002-002A-U | PACKING CASE | | AV-32H5SK |
| | 1 | GA10002-004A-U | PACKING CASE | | AV-32H5BU, AV-32H5SR, AV-32H5SU |
| | 2 | GA10001-071A-U | EURO LABEL | | AV-28H5BL |
| | 2 | GA10001-017A-U | EURO LABEL | | AV-28H5BU |
| | 2 | GA10001-021A-U | EURO LABEL | | AV-28H5SK |
| | 2 | GA10001-070A-U | EURO LABEL | | AV-28H5SL |
| | 2 | GA10001-074A-U | EURO LABEL | | AV-28H5SR |
| | 2 | GA10001-016A-U | EURO LABEL | | AV-28H5SU |
| | 2 | GA10001-015A-U | EURO LABEL | | AV-32H5BU |
| | 2 | GA10001-020A-U | EURO LABEL | | AV-32H5SK |
| | 2 | GA10001-075A-U | EURO LABEL | | AV-32H5SR |
| | 2 | GA10001-014A-U | EURO LABEL | | AV-32H5SU |
| | 3 | LC11859-001C-U | CUSHION ASSY | 4pcs in 1set | AV-28H5BL, AV-28H5BU, AV-28H5SK, AV-28H5SL, AV-28H5SR, AV-28H5SU |
| | 3 | LC11861-001C-U | CUSHION ASSY | 4pcs in 1set | AV-32H5BU, AV-32H5SK, AV-32H5SR, AV-32H5SU |
| | 4 | RM-C1502B-1C | REMOCON | | AV-28H5BL, AV-28H5BU, AV-32H5BU |
| | 4 | RM-C1502-1C | REMOCON | | AV-28H5SK, AV-28H5SL, AV-28H5SR, AV-28H5SU, AV-32H5SK, AV-32H5SR, AV-32H5SU |
| | 5 | ----- | BATTERY | R6P/AA(x2) | AV-28H5BL, AV-28H5BU, AV-28H5SK, AV-28H5SL, AV-28H5SR, AV-28H5SU, AV-32H5BU, AV-32H5SK, AV-32H5SR, AV-32H5SU |
| | 6 | AEM1078-001A-U | POLY BAG | | AV-28H5BL, AV-28H5BU, AV-28H5SK, AV-28H5SL, AV-28H5SR, AV-28H5SU, AV-32H5BU, AV-32H5SK, AV-32H5SR, AV-32H5SU |
| | 7 | AEM3021-003B-E | DOCUMENT BAGS | | AV-28H5BL, AV-28H5BU, AV-28H5SK, AV-28H5SL, AV-28H5SR, AV-28H5SU, AV-32H5BU, AV-32H5SK, AV-32H5SR, AV-32H5SU |
| △ | 8 | LCT1806-001A-U | INST BOOK | English | AV-28H5SK, AV-32H5SK |
| △ | 8 | LCT1891-001A-U | INST BOOK | English/German/French/Dutch/Spanish/Italian/Portuguese | AV-28H5SR, AV-32H5SR |
| △ | 8 | LCT1800-001A-U | INST BOOK | English/German/French/Dutch/Spanish/Italian/Portuguese | AV-28H5BL, AV-28H5BU, AV-28H5SL, AV-28H5SU, AV-32H5BU, AV-32H5SU |
| △ | 9 | LCT1801-001A-U | INST BOOK | Swedish/Norwegian/Finn/Danish | AV-28H5BU, AV-28H5SU, AV-32H5BU, AV-32H5SU |
| △ | 10 | QQR0491-001 | FERRITE CORE | | AV-28H5BL, AV-28H5SL |
| △ | 10 | LCT1802-001A-U | INST BOOK | Russian/Czech/Polish/Hungarian/Romanian/Bulgarian | AV-28H5BU, AV-28H5SU, AV-32H5BU, AV-32H5SU |
| | 11 | ----- | WARRANTY CARD | BT-54026-1E | AV-28H5BL, AV-28H5BU, AV-28H5SK, AV-28H5SL, AV-28H5SR, AV-32H5BU, AV-32H5SK, AV-32H5SR |
| | 11 | ----- | WARRANTY CARD | BT-54023-1E | AV-28H5SU, AV-32H5SU |
| | 12 | GA30011-001A-U | REGISTRATION CARD | | AV-28H5SK, AV-32H5SK |
| | 13 | GA10007-001A-U | STAND CUSHION | 2pcs in 1set | AV-28H5SK, AV-32H5SK |
| | 14 | GA30017-001A-U | PACKING CASE | For STAND | AV-28H5SK |
| | 14 | GA30016-001A-U | PACKING CASE | For STAND | AV-32H5SK |
| | 15 | GA30014-001A-U | FIXING KIT | | AV-28H5SK, AV-32H5SK |
| | 16 | GA40022-001A-U | SHELF SUPPORT | Silver/4pcs in 1set | AV-28H5SK |
| | 16 | GA40022-001A-U | SHELF SUPPORT | Silver/4pcs in 1set | AV-32H5SK |
| | 17 | GA30015-001A-U | ASSEMBLY INSTRUCTIONS | For STAND | AV-28H5SK, AV-32H5SK |

PACKING -2



PACKING PARTS LIST -2

| △ | Ref.No. | Part No. | Part Name | Description | Local |
|---|---------|----------------|---------------|--|----------------------------------|
| | 1 | AEM1002-B76-E | PACKING CASE | | AV-28H50SU |
| | 1 | QYSBSAG4016NA | TAP SCREW | M4 x 16mm(x8) | AV-32H50SU |
| | 1 | GA10002-031A-U | PACKING CASE | | AV-32H57SU |
| | 2 | GA10001-019A-U | EURO LABEL | | AV-28H50SU |
| | 2 | GA10001-018A-U | EURO LABEL | | AV-32H50SU |
| | 2 | GA10001-031A-U | EURO LABEL | | AV-32H57SU |
| | 3 | GA10039-001A-U | CUSHION ASSY | 4pcs in 1set | AV-28H50SU |
| | 3 | GA10038-001A-U | CUSHION ASSY | 4pcs in 1set | AV-32H50SU,AV-32H57SU |
| | 4 | RM-C1502-1C | REMOCON | | AV-28H50SU,AV-32H50SU,AV-32H57SU |
| | 5 | ----- | BATTERY | R6P/AA(x2) | AV-28H50SU,AV-32H50SU,AV-32H57SU |
| | 6 | AEM1078-001A-U | POLY BAG | | AV-28H50SU,AV-32H50SU,AV-32H57SU |
| | 7 | AEM3021-003B-E | DOCUMENT BAGS | | AV-28H50SU,AV-32H50SU,AV-32H57SU |
| △ | 8 | LCT1803-001A-U | INST BOOK | English/German/French/Dutch/Spanish/Italian/Portuguese | AV-28H50SU,AV-32H50SU,AV-32H57SU |
| △ | 9 | LCT1804-001A-U | INST BOOK | Swedish/Norwegian/Finn/Danish | AV-28H50SU,AV-32H50SU |
| △ | 10 | LCT1805-001A-U | INST BOOK | Russian/Czech/Polish/Hungarian/Romanian/Bulgarian | AV-32H50SU |
| | 11 | ----- | WARRANTY CARD | BT-54023-1E | AV-32H50SU |
| | 11 | ----- | WARRANTY CARD | BT-54026-1E | AV-32H57SU,AV-28H50SU |